CIP CAPITAL IMPROVEMENT PROGRAM

Santa Clara Valley Water District

2007/2008
CAPITAL IMPROVEMENT PROGRAM

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INTRODUCTION

With its headquarters in San Jose, California, the Santa Clara Valley Water District is the primary water resources agency for Santa Clara County. Its key products and services are wholesale treated water; flood protection; environmental stewardship; and open space and trails.

The District provides a reliable supply of clean, safe water for the more than 1.8 million people of the county. It also works to protect residents and businesses from the devastating effects of flooding; and serves as environmental steward for the county's 800-plus miles of streams and creeks, groundwater basins and District-owned reservoirs.

The Santa Clara Valley Water District is unique in the state as an independent special district with countywide responsibility for multiple key aspects of water resources management.

INTRODUCTION

ABOUT THE DISTRICT

The mission of the Santa Clara Valley Water District is a vital one, serving a critical public need for sound management of water resources in Santa Clara County. Since 1929, when it was created by an act of the state legislature, the District has worked hard to carry out its mission on behalf of Santa Clara County residents. Over the last 78 years, the District has responded to a growing list of community concerns: a reliable, high-quality water supply; protection from flooding; and protection of environmental resources.

As the primary water resources agency for Santa Clara County, the water district encompasses all of the county's 1,300 square miles and serves the area's 15 cities as well as the unincorporated area of the County, There are 15 cities in the County of Santa Clara, including: Campbell, Cupertino, Gilroy, Los Altos, Los Altos Hills, Los Gatos, Milpitas, Monte Sereno, Morgan Hill, Mountain View, Palo Alto, San Jose, Santa Clara, Saratoga, and Sunnyvale. The County's geography ranges from Palo Alto in the north, to Gilroy in the south.

1.8 million residents in Santa Clara County as of January 1, 2007. The District makes sure there is enough clean, safe water for homes and businesses; works to protect Santa Clara County residents and businesses from the devastating effects of flooding; and serves as the steward for the county's more than 700 miles of streams and creeks, underground aquifers and District-built reservoirs.

The District is the largest dual-purpose water and flood management special district in California. Its comprehensive management of surface, ground and imported water on a regional and countywide basis provides an economy of scale; consistency in wholesale pricing; service reliability; and level of environmental protection that would not be possible if its services were fragmented among several agencies.

INTRODUCTION

Serving as an independent special district requires an enhanced level of outreach, engagement and collaboration with our customers, stakeholders and partners. As the District responds to varied challenges, including increased regulations; uncertainty of imported water supplies; threats to the water supply from natural catastrophes, contaminants and terrorism; and economic downturns, our Board, management and staff seek public input in finding solutions. Collaboration with the community we serve is a key District value, and we believe it results in more successful outcomes.

Community action created the District, when farmers and business representatives formed the Santa Clara Valley Water Conservation Committee in the 1920s. At that time, groundwater supplies were being overpumped, causing the land to subside, or sink. The committee pursued creation of an organization to manage and replenish groundwater supplies, and the resulting Santa Clara Valley Water Conservation District later constructed reservoirs throughout the county to conserve water. The 1929 Santa Clara Valley Water District Act gives the District its authority to operate as a state special district, with jurisdiction throughout Santa Clara County.

The current District Act authorizes the District to: "...provide comprehensive water management for all beneficial uses and protection from flooding within Santa Clara County. The district may take action to carry out all of the following purposes:

(a) to protect Santa Clara County from flood and storm waters of the district, including tidal flood waters and the flood and storm waters of streams that have their sources outside the district, but flow into the district;

(b) to protect from those flood or storm waters the public highways, life and property in the district, and the watercourses and watersheds of streams flowing within the district;

(c) to provide for the conservation and management of flood, storm, reclaimed, or recycled waters, or other waters from any sources within or outside the watershed in which the district is located for beneficial and useful purposes, including spreading, storing, retaining, and causing the waters to percolate into the soil within the district;

(d) to protect, save, store, recycle, distribute, transfer, exchange, manage, and conserve in any manner any of the waters;

(e) to increase, and prevent the waste or diminution of, the water supply in the district;

(f) to obtain, retain, reclaim, protect, and recycle drainage, storm, flood waters or treated wastewaters, or other waters from any sources, within or outside the watershed in which the district is located for any beneficial uses within the district;

(g) and to enhance, protect, and restore streams, riparian corridors, and natural resources in connection with carrying out the objects and purposes set forth in this section."

More recently the District Act was amended in September 2006 with the passage of AB 2435 by Assemblyman Joe Coto, D-San Jose.

The amendments end county oversight of the water district's budget and other procedural holdovers from a 1968 merger of the former Santa Clara County Flood Control and Water District and the Santa Clara Valley Water Conservation District to create the present-day Santa Clara Valley Water District. The change will also affect the Districts seven member board, of which five are elected board members and two were appointed by the County Board of Supervisors. This legislation takes effect this year although the two appointed board members will retain their seats until January 1, 2010.

Board directorial districts

Governance and Board of Directors

The District Act outlines the structure, function and operations of the District's Board of Directors, which governs the District and directs the CEO. As defined by the District Act, the Board is comprised of seven members, five of whom are elected directly by voters from the county's five supervisory districts. The other two Board members are at-large, appointed by the Santa Clara County Board of Supervisors, one for the south portion of the county and one for the north portion of the county. The latter two board members will serve out their terms until January 2010 due to the recent passage of AB2435. Board members serve overlapping four-year terms. The Board annually elects a new Chair and Vice-Chair to serve each calendar year.

The Board provides leadership in policy direction via a system of Policy Governance®. Through its Ends policies, described in detail in Chapter Four, the Board establishes the District's mission and broad organizational outcomes to be achieved. The Chief Executive Officer (CEO) leads District staff in interpreting these policies and carrying out the work that aligns resources with the policies to help achieve and carry them out.

The Board's Executive Limitation policies set boundaries on CEO authority in meeting the Ends policies. The CEO is solely accountable to the Board for District performance, which is monitored quarterly through reports and meetings on the TOP Work Plan, the District Scorecard, and other processes. The CEO communicates Board priorities to executive leadership, management, and staff through regular meetings and through a staff newsletter.

Board members may not exercise authority individually over the District or CEO, but rather must work together and communicate priorities through policies as one unified group. The Board annually reviews and updates Ends and Executive Limitations policies to ensure they reflect the Board's collective values and perspectives.

History Timeline

Throughout its 78-year history, the District has strived to serve the public with excellence, improving and expanding its products and services to meet the growing needs of Santa Clara County residents.

Early 1900s

Nearly 14,000 acres of orchards and vineyards are under irrigation in Santa Clara Valley. Local farmers begin noticing a significant drop in well water levels.

1920s

Concern over land subsidence, or sinking from overpumping the groundwater basin, leads farmers and business leaders push for the formation of the Santa Clara Valley Water Conservation Committee.

1929: The Santa Clara Valley Water Conservation District is formed by the State Legislature.

1930s

Calero, Almaden, Guadalupe, Vasona, Stevens Creek and Coyote reservoirs are completed. Recharging of the underground aquifers begins.

1931, 1937 and 1938: Floods halt transportation and inundate orchards and pasture lands.

1940s

Explosive post-war population growth.

1940-46: Major drought occurs.

Land subsidence worsens, particularly in north San Jose, due to overpumping of groundwater.

Voters pass bonds to construct two more large dams for water storage and percolation: Lexington and Anderson.

1940, 1942 and 1943: Floods occur in the midst of drought and land subsidence.

1950s

Due to increased growth, the county's water use shifts from primarily agricultural to domestic and industrial.

The South Santa Clara Valley Water Conservation District builds the Chesbro and Uvas dams to increase storage and recharge efforts.

The Central Santa Clara Valley Water Conservation District is annexed to the Santa Clara Valley Water Conservation District. Water conservation education efforts begin in earnest.

1952: The county board of supervisors forms the Santa Clara County Flood Control and Water Conservation District to protect the county from flooding and supplement local water supply with imported water.

The "Christmas Week" floods of 1955 leave thousands homeless. The Guadalupe River alone floods 8,300 acres, the worst flood on that river in recorded history.

1960s

1960: The county's population swells to 642,000.

1962: President John F. Kennedy and Gov. Edmund G. "Pat" Brown dedicate the San Luis Dam and Reservoir west of Los Baños.

1965: The state of California begins delivering water from the Sacramento-San Joaquin River Delta to Santa Clara County via the South Bay Aqueduct. Slowly, the addition of imported water to recharge efforts begins to reverse land subsidence, and by 1969 it is halted for the first time in 40 years.

Rinconada Water Treatment Plant begins drinking water treatment and distribution operations in Los Gatos.

1968: The Santa Clara Valley Water Conservation District and the Santa Clara County Flood Control and Water Conservation District merge to manage the water supply and flood programs for most of the county.

1970s

The Santa Clara Valley Flood Control and Water District changes its name to the Santa Clara Valley Water District.

Penitencia Water Treatment Plant comes on line.

1976-77: Historic drought years reduce deliveries from the State Water Project; delta water is too salty to be percolated into local aquifers, but is still used by the treatment plants.

Conservation efforts achieve a 22 percent drop in water usage.

Environmental mitigation for project impacts becomes a normal part of every construction project. The District hires biologists and environmental specialists who help ensure compliance with environmental regulations.

Water quality protection is a major focus as it is discovered that underground storage tanks are leaking and potentially contaminating drinking water. The Santa Teresa Water Treatment Plant begins operation.

Severe flooding occurs in several years; voters approve funding for much-needed flood protection projects
through benefit assessments.

1980: The South Santa Clara Valley Water Conservation District is renamed the Gavilan Water District

1987: South county voters approve annexing Gavilan Water District to the Santa Clara Valley Water District.

The federal Central Valley Project, San Felipe Division, begins delivery of imported water to the county from San Luis Reservoir just as the valley enters a seven-year drought period.

1980s

The county's population nears 1.7 million.

The 1987-93 drought drives District efforts to seek new sources of water supply through recycled water projects, the storage of water in other regions (called water banking) and an aggressive water conservation program.

1995: Flooding in the county highlights the need for flood protection, especially on the Guadalupe River in downtown
San Jose.

1997: The District completes a long-term water supply planning process, the Integrated Water Resources Plan (IWRP).

The District initiates the Water Treatment Improvement Project, a multi-year project that will upgrade all three water treatment plants to continue to meet increasingly stringent state and federal water quality standards. The upgrades include changing the primary disinfectant to ozone, increasing the treatment capacity at Rinconada Water Treatment Plant and performing seismic upgrades.

1998: Flooding occurs on San Francisquito Creek and elsewhere in the county.

Changing community priorities, a growing commitment to staff diversity, strict state and federal regulations and an evolving environmental ethic lead the District into the 21st Century.

1990s

2000-07

The District takes a lead role in the fight against MTBE contamination of surface water; the District also addresses perchlorate contamination of more than 1000 South County wells.

The District partners with local wastewater agencies countywide to increase the role of recycled water and provide greater water supply reliability.

The first phase of the Water Treatment Improvement Project is completed and the second phase begun, paving the way for higher-quality water for county residents.

2000: County voters endorse the Clean, Safe Creeks and Natural Flood Protection Plan (Measure B) and approve a special tax to ensure continuity of flood protection and stream stewardship services for 15 more years.

2002: Stream maintenance work begins for the first time under a new 10-year Stream Maintenance Permit, reflecting a new era of partnership between the District and the resource agencies. The new permit allows the District timely seasonal access to creeks, ensuring improved maintenance and environmental enhancement.

2005: The Downtown Guadalupe Flood Protection Project, a 15-year, $346 million effort to tame 10 miles of the Guadalupe River, is completed. The project will protect an estimated 95,000 people who live or work in San Jose from flooding and restore crucial fish habitat for endangered species.

2006: The District's first ozonated water is delivered from the Santa Teresa Water Treatment Plant, providing customers better-tasting, more healthful tap water. Ozonation treatment is slated to come on-line at the Penitencia treatment plant in FY 2006-07, and at the Rinconada treatment plant in 2013.

2007: District leadership championed the passing of Assembly Bill 2435. This bill ends county oversight of the water district's budget and other procedural holdovers from a 1968 merger of the former Santa Clara County Flood Control and Water District and the Santa Clara Valley Water Conservation District to create the present-day Santa Clara Valley Water District. This new legislation gives voters more effective accountability over elected leaders' decisions.

Board advisory committees

The Board relies on eight advisory committees to serve as a link between them and the community. These committees, shown below, provide input on policy alternatives and implications for Board deliberation and comment for Board consideration, as well as review of projects, priorities and project budgets.

Throughout its history, the District has maintained a relationship with the County of Santa Clara. In 1952, county supervisors initiated the valley's first flood protection program; they later expanded their efforts to include water importation. In 1968 the District and county decided to merge their water functions, and the governing boards of both agencies agreed that county supervisors would have a role in adopting the District's annual budget. In FY 2005-06, the District and county decided to pursue legislation that would remove the county's obligation to adopt the budget, thus giving the District complete independence. That legislative effort was successful in Fiscal Year 2006 and has resulted in the District becoming an independent special district.. The legislation took effect in 2007 although two of the appointed seven member water district board members will retain their seats until Jan. 1, 2010. This action provides clearer accountability for the voters and residents of Santa Clara County services they pay for and deserve.

	Committee	Composition of committee	Purpose of committee
1.	**Agricultural Water Advisory Committee**	• Members include locally elected officials, local agency representatives and community advocates. • Comprised of two representatives from each Board District, four at-large members, two from north county and two from south county, and representatives from the Loma Prieta Resource Conservation District and the Santa Clara County Farm Bureau.	• Assists the Board with issues pertaining to agricultural water supply and use. • Provides input on policy alternatives and the implications of those policy alternatives for Board deliberation, when requested by the Board.
2.	**Environmental Advisory Committee**	• Members include locally elected officials, local agency representatives and community advocates. • Comprised of 15 at-large members.	• Produces an annual report for the Board that identifies and prioritizes restoration or enhancement opportunities. • Provides input on policy alternatives and the implications of those policy alternatives for Board deliberation, when requested by the Board.
3.	**Landscape Advisory Committee**	• Members represent the landscape industry in seven categories, including, local government, nurseries, educators and horticulturists, landscape contractors, irrigation designers and suppliers, and turf specialists and landscape maintenance providers. • Comprised of landscape industry representatives.	• Provides a link between the landscape industry (major water users) and the Board, and serves as a forum for communication and joint efforts in conserving water supply for the cities and Santa Clara County. • Provides input on policy alternatives and the implications of those policy alternatives for Board deliberation, when requested by the Board.

	Committee	Composition of committee	Purpose of committee
4.	**Water Commission**	• Members include locally elected officials and local agency representatives. • Comprised of two representatives from each city within Santa Clara County, and Santa Clara County.	• Assists the Board with issues pertaining to water supply and water quality, as well as policy matters that are of interest to the cities and Santa Clara County. • Carries information on District activities back to members' respective communities.
5.	**Coyote Watershed and Flood Control Watershed Committee**	• Members include locally elected officials, local agency representatives and community advocates. • Comprised of representatives of each city in the watershed, county, and unincorporated area where the area exceeds 25 percent of the watershed. No less than two and no more than four at-large members shall serve on the committee.	• Provides input on policy alternatives and the implication of those policy alternatives for Board deliberation. • Reviews project activities and makes recommendations on projects to the Board. • Reviews project priority schedules and recommends changes to the Board. • Reviews the budget and recommends changes to the Board. • Reviews and recommends to the Board alternative means of financing flood protection and stream stewardship activities. • Carries information on District activities back to members' respective communities.
6.	**Guadalupe/ West Valley Watershed and Flood Control Watershed Committee**		
7.	**Lower Peninsula Watershed and Flood Control Advisory Committee**		
8.	**Uvas/Llagas Watershed and Flood Control Advisory Committee**		

District core business

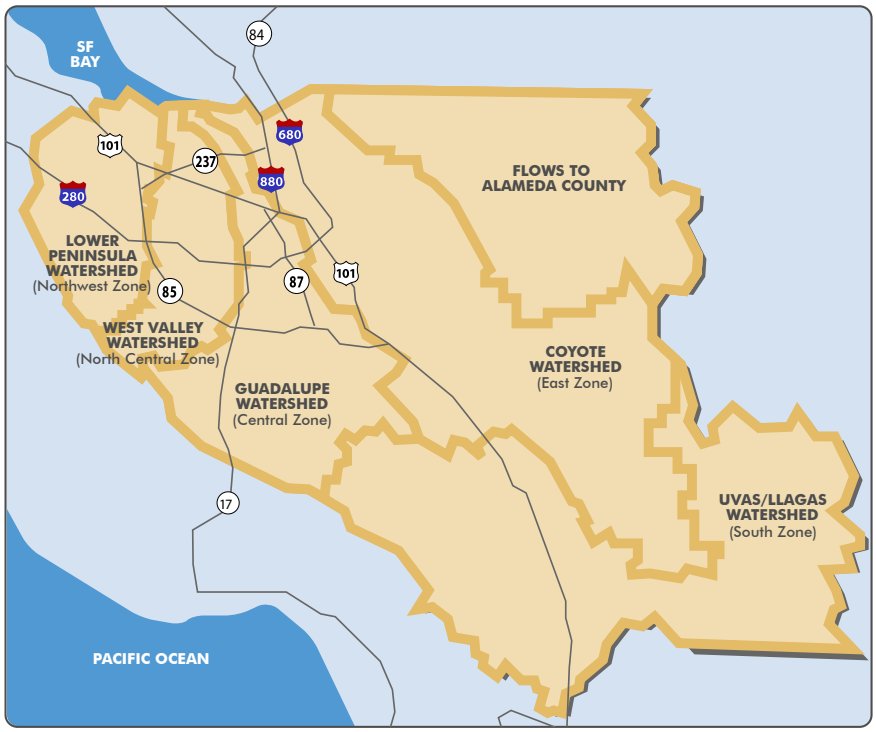
The District's core business serves the community by focusing on wholesale water supply, flood protection and stream stewardship, as established by Board Ends policies.

Water utility zones of benefit in Santa Clara County

As part of the District's core water supply function, two major water utility zones form the basis for establishing District water charges. Zone W-2 encompasses the Santa Clara Valley groundwater basin north of Metcalf Road. It includes those groundwater producing facilities that benefit from recharge with local and imported water. Zone W-5 comprises the entire Llagas groundwater basin from Metcalf Road south to the Pajaro River. Water charges are set separately for each zone, reflecting District activities carried out in each.

The rainy season of 2006-2007 has produced less than 10 percent of the average run-off into local reservoirs. Nevertheless, the District's investments in its water resources portfolio—including groundwater recharge, banking water outside the county, an intertie with San Francisco's Hetch Hetchy system, water recycling and aggressive conservation—will help meet water needs through dry periods.

Watershed areas and flood control zones of Santa Clara County



More than 700 miles of creeks flow through Santa Clara County. The water district works to protect both the natural attributes of these waterways and the communities that surround them as part of its watershed stewardship core function. Fifty-one years of working for flood protection has reduced the intensity and frequency of flooding in Santa Clara County.

In the summer of 2006, the district removed approximately 51,000 cubic yards of sediment from Sunnyvale East Channel downstream of Caribbean Drive in Sunnyvale. As part of the District's Stream Maintenance Program, the removal of sediment from creeks and channels is to allow design flow capacity during winter storm events and to protect people and property from flooding.

Customers

The District serves the larger community of Santa Clara County, including important Silicon Valley business centers. Although the District began by serving agricultural water needs, its largest segment of water users is now municipal/industrial.

The District's customers are made up of the following groups:

Customers	Partners/Stakeholders
• Municipal and industrial water users • Landscape water users • Agricultural water users • Private well owners • Residents and businesses in areas subject to flooding • Residents adjacent to District facilities and project sites • Fish and wildlife	• Water retailers • Water Commission • Environmental organizations • Board advisory committees • Community groups • Local, state and federal agencies • Local municipalities

Key customer requirements
• Reliable, high-quality water supply and flood protection
• Environmental protection and enhancement
• Minimal disruption from District work activities
• Good communication from the District about its activities
• Reasonable cost

LOCAL COMMUNITY AND ECONOMY

Santa Clara County, which encompasses much of Silicon Valley, is a region known for its economic drive and innovation. Since the dot-com bust of 2000, the economy has slowly regained strength, with the first growth in jobs since 2000 noted in FY 2005-06. In FY 2006-07, the Silicon Valley and Santa Clara County economy appeared to be growing more steadily, with the region adding 33,000 jobs. For the first time since 2001, median household income increased, up 6.5 percent to $76,300 in 2005. Average pay also rose by 6.9 percent between 2005 and 2006. However, real per capital income grew only 0.01 percent in 2006, compared with 2.8 percent for the United States overall.

Silicon Valley's share of U.S. venture capital investments increased, and investment in clean technology grew rapidly—up 266 percent from 2005 to 2006. Investment in Industrial/Energy and Media & Entertainment showed the strongest growth as a share of total investment, an indication of the region's strength in consumer and social networking websites, and in clean technology areas such as energy generation. The city of San Jose topped the list of U.S. cities with registered patents, with five other Silicon Valley cities close behind. Value added per employee rose at a rate of 4.1 percent from 2005-2006, compared with a national rate of 1.9 percent.

In addition to innovation and investment, the Santa Clara County and Silicon Valley region is also known for its diverse, well-educated population. Forty percent of its population has at least a Bachelor's Degree, and more than half of its science and engineering experts were born in another country. Many founders of Silicon Valley firms immigrated to the region. Silicon Valley's population increased by 1.28 percent in 2006, experiencing positive net migration for the first time since 2000. In 2005, 48 percent of Silicon Valley residents spoke a language other than English at home,

up from 46 percent in 2004. While English and Spanish are the two most widely spoken languages, Chinese, Hindi, Korean and Japanese showed stronger growth rates than for the rest of the state or the U.S.

The region shows strong support for environmental values, with residents about twice as likely as other Californians to use hybrid vehicles. Since 2002, the number of workers who walk to work is up 36 percent, and the number of people who work at home increased by 35 percent. From 2005 to 2006, protected lands increased 1.5 percent, and accessible protected lands increased 3.3 percent.

Silicon Valley and Santa Clara County have long been noted as one of the country's highest-priced housing markets. The high cost of housing has forced many employed here to live far from work, taking on long commutes in order to buy more affordable homes elsewhere. This trend has decreased somewhat, with the Silicon Valley home market becoming more affordable than other California regions in 2006. The percentage of potential first-time home buyers that could afford to buy a median-priced home was 26 percent in Silicon Valley in 2006, compared with 25 percent for the state.

The housing cost burden continues to be high in Silicon Valley. In 2005, 49 percent of households spent 30 percent or more on mortgage costs, up from 43 percent in 2002, and higher than comparative spending in California and the U.S. overall. For rental costs, 46 percent of Silicon Valley renters spent 30 percent or more of their income on rent—lower than the state rate in 2005 of 52 percent, and matching the U.S. rate. (Source: 2007 Silicon Valley Index, Joint Venture: Silicon Valley Network)

INDUSTRY TRENDS AND STRATEGIC ISSUES

Urgent need to upgrade or replace aging infrastructure.

With a significant portion of the Water Supply and Flood Protection infrastructure approaching 40 to 50 years of age, maintaining and upgrading the existing infrastructure to ensure each facility functions as intended for its useful life became the focus of the District's capital improvement program in recent years.

The District implements a robust asset management program to ensure the functionality of its water utility facilities and flood protection infrastructures. Asset management activities in FY 2007-08 include upgrading infrastructures in the treatment plants, inspecting and repairing raw and treated water pipelines throughout the county, rebuilding key pumps at the Pacheco Pumping Plant, updating seismic stability studies of District dams, and maintaining flood protection capacity according to design criteria.

Despite the need for infrastructure improvements, raising water rates to pay for them is often unpopular with rate payers. However, the Santa Clara Valley Water Commission, a key stakeholder, this year identified maintaining adequate reserve levels and funding infrastructure repair and replacement as key priorities for the District's Water Utility Enterprise. Future rate adjustments beyond the low case assumptions will continue to be evaluated in light of these recommended priorities.

Technological advances. Customers benefit from improved water supply reliability and quality associated with advances in technology, including water-efficient plumbing; advanced treatment for recycled water; ozonation; and desalination. Other technologies including cyber-security also benefit overall reliability. However, technological advances are expensive and add to the cost of providing water.

Improving the security of water supply facilities. Following September 11, 2001, water agencies across the nation began an urgent evaluation of the security of their physical facilities and their computer networks. After taking immediate steps following 9/11 to safeguard the District's ability to deliver clean, safe, reliable water to the public, the District completed a security vulnerability assessment as required by the Environmental Protection Agency. The District continues to implement system-wide upgrades to further improve security in the most cost-effective manner.

Population growth. The most populous state in the nation, California is still attracting thousands of new residents per year. Regionally, the Association of Bay Area Governments (ABAG) projects that Santa Clara County's population will increase nearly 35 percent by 2030, from 1,682,585 in 2000 to 2,267,100 people in 2030. Water conservation efforts planned between now and 2030 will offset by about half the additional water supplies needed to meet increased demand.

Shortage of technical staff. Increasingly, across the nation and within California, a lack of qualified technical staff is challenging water agencies' ability to plan, design, operate and maintain increasingly complex water supply facilities. Agencies have adopted short-term approaches, such as trying to keep retirement-age staff on the payroll or hiring back retirees for needed expertise. These approaches are not sustainable in the longer term, and more innovative ways to increase the availability of a diverse, qualified workforce must be found.

Capital Improvement Cost Escalation

Santa Clara County real estate costs are some of the highest in the nation. Yet the District must acquire land for required mitigation of construction impacts from its flood protection and water supply projects. From 2004 to 2005, on average, District land acquisition costs rose 20 percent year over year while construction costs averaged increases of 13 percent. Although the pace of land acquisition and construction costs is expected to slow, it is likely such cost increases will continue in the double digits for the foreseeable future. Variables contributing to rising land acquisition costs include rising land values, litigation, and right-of-way, while construction costs are impacted by continued demand for materials, such as steel, and labor. The District is considering methods for addressing these issues, including cost control measures and possible escalation of construction schedules.

Rising health insurance premiums and unfunded liabilities. As with other organizations both public and private, the District continues to experience high health insurance premium rate increases that far outpace normal inflation. These escalating costs contribute to the District's accumulating unfunded liabilities. A comprehensive strategy is being developed to address this financial challenge, including efforts currently underway through interest-based bargaining with labor groups to minimize impacts to the District.

Business continuity concerns. Nationally, water agencies have begun to focus on the adequacy of their business continuity plans in the face of a potential avian flu pandemic. The District, in cooperation with retail water agencies and local government, has stepped up its efforts to ensure that staff will be available to continue delivering a safe, reliable water supply should a flu pandemic strike Santa Clara County. The District also prepares response plans for other potential catastrophes including terrorism and earthquakes.

OVERVIEW

The Santa Clara Valley Water District (District) Fiscal Year 2007-08 Five-Year Capital Improvement Program (CIP) is a projection of the District's capital funding for planned capital projects from Fiscal Year 2007-08 through Fiscal Year 2011-12. The purpose of the CIP is to serve as a tool to integrate District work with the larger community by aligning District planning with other local planning efforts, and clarifying regional roles to avoid wasteful duplication of effort.

The district's CIP is developed following the guidelines of Government Code (GC) Section 65403 which governs the development and annual review of Capital Improvement Programs developed by special districts in the State of California. State law requires that the program be reviewed and updated annually. It also requires circulation of the document to all planning agencies having land use authority within the District prior to adoption of the program. This document is intended to provide all of the information necessary to allow planning and facility construction to meet the needs of Santa Clara County.

SANTA CLARA VALLEY WATER DISTRICT

Mission

The mission of the District is a healthy, safe, and enhanced quality of living in Santa Clara County through watershed stewardship and comprehensive management of water resources in a practical, cost-effective and environmentally sensitive manner.

Vision
Getting Cleaner, Greener and Leaner, Together

The CIP is prepared in accordance with the guidelines established by the Government Finance Officer Association (GFOA). The capital projects in this document exceed $50,000 in cost, have long-term life spans and are generally nonrecurring. They usually fall within one of the following six categories.

1. Acquisition of land for public purpose
2. Construction of a significant facility, i.e. a flood protection facility, a water treatment facility, or a building
3. Addition to or expansion of an existing facility
4. Nonrecurring rehabilitation or major repair to all or part of a facility provided the total cost is more than $50,000
5. Specific planning, engineering study, or design work related to an individual project which falls within the above categories
6. Significant one-time investment in tangible goods of any nature, the benefit of which will accrue over several years. Examples include items such as large initial investments or improvements in technology or the purchase of a new telephone system.

ALIGNMENT WITH ENDS POLICIES

The District plans, manages and carries out capital improvements to comply with the Ends Policies and Executive Limitations established by its Board of Directors. Under the District's Policy Governance Model, Ends Policies describe the outcomes or results to be achieved by District staff. Balancing the Ends Policies are the Executive Limitations, which set limits on staff activities in fulfilling the Ends.

Program plans or master plans are developed to achieve the results established by the Ends Policies and to further define the goals and objectives of each Ends Policy. The Board either formally approves the plans or provides direction to staff, confirming the goals and objectives. These plans then become the basis for staff to propose and develop individual capital projects.

Alignment of the CIP with Program or Master Plans provides a direct link to Ends Policies and ensures the District's long-term capital investments are planned and executed according to the Board's priorities.
Four Ends Policies directly drive program or master plans and the types of capital improvements described in the CIP.

- Ends Policy E-2.1 "There is a reliable supply of healthy, clean drinking water."
- Ends Policy E-2.2 "There is reduced potential for flood damages."
- Ends Policy E-3.1 "Mitigations are implemented to protect watersheds, streams, and the natural resources therein."
- Ends Policy E-3.2 "Environmental enhancements are implemented to improve watersheds, streams, and the natural resources therein."

(See Flowchart "CIP Process Alignment with Ends Policies" on page I-4)

CIP PLANNING PROCESS

The District conducts an annual planning process for its Capital Improvement Program. The purpose of the planning process is to ensure the capital projects included in the CIP:

- meet the Board's priority and contribute to the objectives of the District's various programs
- have identified funding for the duration of the projects
- are coordinated with the local jurisdiction's General Plans.

The CIP planning process is carried out in accordance with the following Executive Limitations.

- Executive Limitation EL-4.1.1., "The CEO shall not fail to produce an annual Rolling Five-Year Capital Improvement Program with the first year serving as the adopted capital budget and the remaining years in place as a projected capital funding plan."

- Executive Limitation EL-4.2.1., "The CEO shall not fail to demonstrate to the Board the planned expenditures for the identified and selected capital projects in the Rolling Five-Year Capital Improvement Program do not deviate materially from the Board's priorities."

The annual CIP process is the responsibility of the CIP Committee comprised of division/office managers, with the responsibility to initiate or implement capital projects. The detailed process is a documented ISO process. It includes the following key steps:

- Management review and approval, to ensure staff proposed projects are aligned with Board policies and approved program plans
- Prioritization of all projects, including continuing and newly proposed projects, to ensure the projects in the CIP reflect Board priorities
- Financial analysis, to determine the capacity of the District's capital funding sources to fund the proposed capital projects
- Outreach to local jurisdictions within Santa Clara County, to coordinate the District capital improvement program with their General Plans
- Board review and direction at appropriate steps, to ensure the CIP reflects Board policies and priorities
- Board adoption of the CIP plan

The annual CIP planning process takes approximately 15 months to complete. The process starts with collecting information on proposed new capital projects in July, followed by six months of preliminary scoping, priority and financial analyses to produce a Draft CIP in January. The Draft CIP serves as a multi-year plan, together with other long-term planning efforts of the District, to propose the budget for the following fiscal year. Once the budget is approved by the Board in June, the Draft CIP is revised to incorporate the Board's budget direction. This Draft CIP plan is then reviewed by local jurisdictions for consistency with their General plans. The Board will listen to comments from local jurisdictions, and feedback at a Public Hearing, then direct staff to finalize the CIP Plan, and formally adopt the CIP in October.

Each project in the CIP goes through a planning phase, design phase and construction phase. The Board may determine to not implement a project based on various consideration such as financial constraints, environmental impacts or community desire during a project's planning or design phases. Approval of a capital project by the Board occurs at the end of the design phase when the Board approves the plans and specifications to solicit bids for construction of the project.

CIP PROCESS ALIGNMENT WITH ENDS POLICIES

Ends Policy E-2.1
There is a reliable supply of healthy, clean drinking water.

Program Plans or Master Plans
- **1990** SCVWD Action Plan for reducing disinfection by-product (Board approved)
- Integrated Water Resource Plan (Board Work Studies)
- **1999** Producer-Wholesaler Agreement for Supply of Recycled Water between SCRWA and the District (Board approved)
- **2004** Santa Clara Valley Water District AssetManagement Program Implementation Plan
- **2004** South County Water Recycling MasterPlan (Board accepted)
- **2005** Urban Water Management Plan (Board approved)
- **2005** Dam Safety Plan
- **2005** Water Infrastructure Reliability Plan

FY 2007/2008 CIP
- **51 - Water Supply Capital Projects**

Ends Policy E-2.2
There is a reduced potential for flood damages.

Program Plans or Master Plans
- **1986** Benefit Assessment Program (Board approved)
- **1990** Benefit Assessment Program (Board approved)
- **2000** Clean Safe Creek Program (Board approved)
- **2001** Stream Maintenance Program (Board approved)Annual Watershed Facility Inspection Program (for Lower Peninsula, West Valley, Guadalupe, Coyote and Uvas/Llagaswatersheds)
- Feasibility Cost Sharing Agreements with the US Army Corps of Engineers

FY 2007/2008 CIP
- **22 - Flood Protection Capital Projects**

FY 2007/2008 CIP
- **8 - Environmental Mitigation Capital Projects**

Ends Policy E-3.1
Mitigations are implemented to protect watersheds, streams, and the natural resources therein.

Program Plans or Master Plans
- CEQA commitments
- Regulatory permitting commitments

FY 2007/2008 CIP
- **6 - Environmental Enhancement Capital Projects**

Ends Policy E-3.2
Environmental enhancements are implemented to improve watersheds, streams, and the natural resources therein.

Program Plans or Master Plans
- Enhancement Program per Clean Safe Creeks Program (Board approved)
- Enhancement opportunities determined appropriate by the Board
  - Fish and Aquatic Habitat Collaborative Effort
  - Natural Resource Damage Assessment
  - Other

Strategic Support

Program Plans or Master Plans
- **1990** Facilities Master Plan - Site Analysis Report (Board approved)
- **2005** Needs Assessment and Plan Feasibility Study

FY 2007/2008 CIP
- **6 - Buildings and Grounds Capital Project**

Strategic Support

Program Plans or Master Plans
- **2001** Information System Master Plan
- **2003** Enterprise-wide Master Communication Plan

FY 2007/2008 CIP
- **7 - Information Technology Capital Projects**

CIP Prioritization and Financial Analyses

FISCAL YEAR 2007-08 CIP SUMMARY

The recommended CIP for FY 2007-08 includes 100 priority projects to implement the goals and objectives of the District's program plans and master plans. These projects are grouped into six types of improvements.

- *Water Supply Capital Improvements*
  51 projects contributing to Ends Policy E-2.1
- *Flood Protection Capital Improvements*
  22 projects contributing to Ends Policy E-2.2
- *Mitigation Capital Improvements*
  8 projects contributing to Ends Policy E-3.1
- *Environmental Enhancement Capital Improvements*
  6 projects contributing to Ends Policy E-3.2
- *Buildings and Grounds Capital Improvements*
  6 projects supporting District efforts to achieve the Ends Policies
- *Information Technology Capital Improvements*
  7 projects supporting District efforts to achieve the Ends Policies

Each of the 100 projects in the CIP has an identified funding source based on the type of improvement or function of the project.

The principal sources of revenue for the District are property taxes, a special parcel tax, benefit assessments, and water charges for use of groundwater, treated water, and surface water. These revenues are organized into eleven funds. Each fund has a specific purpose and only finances the operational and capital expenditures related to that purpose. As shown in the chart below, nine of the eleven funds are used to finance the six types of improvement in the CIP.

This chart demonstrates the relationship between the purpose of each fund and the six types of capital

This chart identifies which types of improvement are associated with each of the District's nine capital funds.

District Priorities	District Funds								
Type of Improvement	Water Enterprise Fund	Lower Peninsula Fund	West Valley Fund	Guadalupe Fund	Coyote Fund	Uvas/ Ilagas Fund	Watershed Stream Stewardship Fund	General Fund	Clean Safe Creeks Funds
Water Supply	●								
Flood Protection		●	●	●	●	●			●
Mitigation	●	●	●	●	●	●	●		
Environmental Enhancement	●	●	●	●	●	●	●		●
Buildings and Grounds	●	●	●	●	●	●		●	
Information Technology	●	●	●	●	●	●		●	

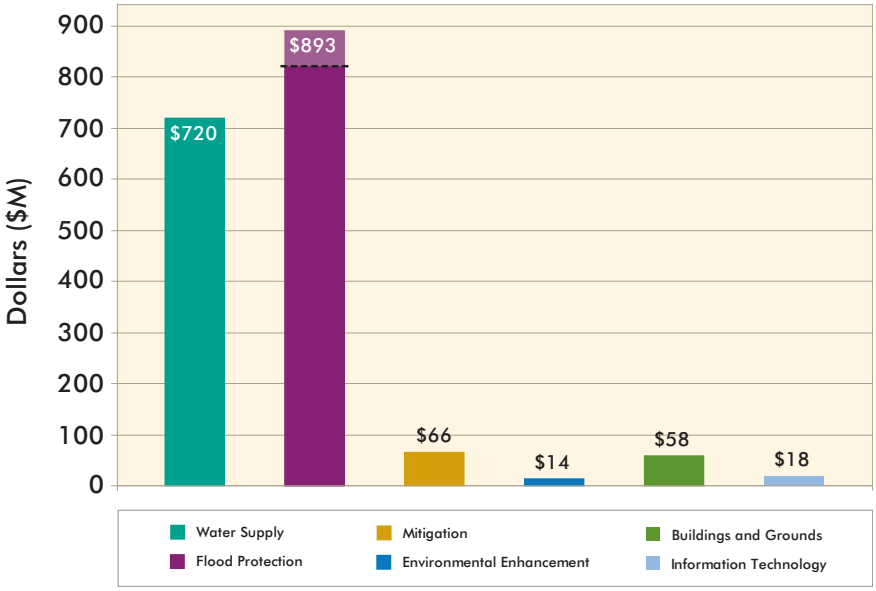
OVERVIEW

The estimated total funding required to implement the 100 projects defined in the CIP is $2.133 billion. The District has been and continues to be successful in leveraging funding for its capital projects through partnerships with federal, state, and local agencies. Of the $2.133 billion total funding, $509 million is expected from the District's various partners, such as the U.S. Army Corps of Engineers, and $1.624 billion from the District. A list of projects that are funded cooperatively with the District's partners is summarized in Appendix C. Funding from partners for the cooperative capital projects generally come in two ways:

- Funds that are made available by the partners when needed, or
- Funds that are reimbursed by the partners after the District advances the needed funds.

Of the $509 million that is expected from the District's partners, $144 million is advanced by the District and reimbursed later. This $144 million is included in the CIP, and increases the District's total funding requirement from $1.624 billion to $1.768 billion, to ensure that the District has adequate funding to advance the reimbursement.

CIP Funding by Type of Improvement

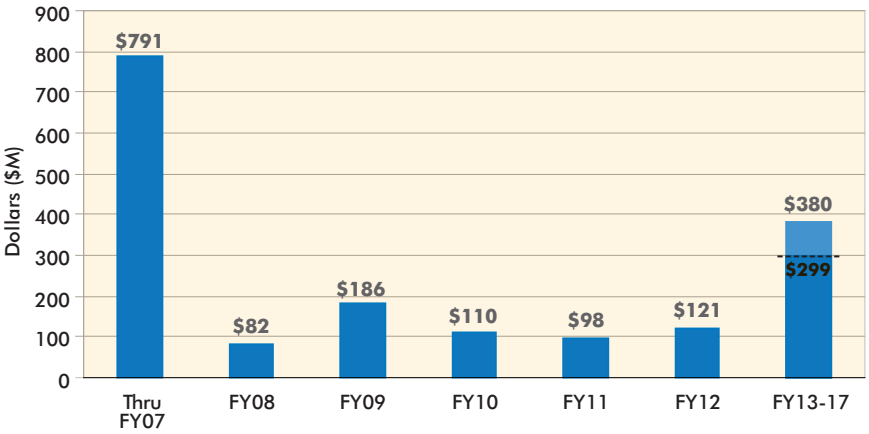


The chart above shows the distribution of the $1.768 billion total CIP funding as planned in the FY 2007/2008 CIP.

The chart shows how the $1.768 billion to implement the 100 projects is allocated to each of the six Types of Improvements.

Of the $1.768 billion in total funding for the 100 projects identified in the CIP, the Board has appropriated $791 million in prior years (through June 30, 2007 the end of Fiscal Year 2006-07). This year's CIP process identified additional funding needs of $977 million to complete the projects in the CIP, with $82 million allocated in Fiscal Year 2007-08 and a total of $895 million proposed for future years. Included in the $895 million proposed future funding is a funding shortfall of $81 million, beginning in FY-2014, for projects funded by the Clean Safe Creeks and Natural Flood Protection Fund. The chart shows how the $1.768 billion is distributed by fiscal year. The following table breaks down the fiscal year total by the six types of improvement and by applicable funding sources.

CIP Funding Schedule



CIP Funding Schedule by Type of Improvement and Funding Sources

	THRU FY06	FY07	UNSPENT AS OF FY07	FY08	FY09	FY10	FY11	FY12	FY 13-17	TOTAL
WATER SUPPLY										
Water Enterprise Fund	243,674	30,761	39,387	35,439	100,530	56,296	52,137	61,537	139,754	720,128
Water Supply Total	**243,674**	**30,761**	**39,387**	**35,439**	**100,530**	**56,296**	**52,137**	**61,537**	**139,754**	**720,128**
FLOOD PROTECTION										
Lower Peninsula Watershed Fund	61,971	1,752	7,079	3,893	1,333	4,503	55	84	0	73,591
West Valley Watershed Fund	6,882	5,456	1,863	1,042	556	116	0	0	0	14,052
Guadlaupe Watershed Fund	178,205	13,539	9,124	4,159	990	879	0	0	0	197,772
Coyote Watershed Fund	106,034	1,610	12,152	8,487	2,648	3,555	7,138	478	20,922	150,872
Clean Safe Creeks and Natural Flood Protection	65,971	12,354	23,103	15,537	46,403	29,117	24,026	53,472	206,799*	453,679
Watershed Stream Stewardship Fund	2,256	0	2,168	0	0	0	301	118	0	2,675
Flood Protection Total	**421,317**	**34,711**	**55,488**	**33,119**	**51,929**	**38,170**	**31,520**	**54,152**	**227,721**	**892,639**
MITIGATION										
Lower Peninsula Watershed Fund	687	88	183	165	196	575	539	107	13	2,370
West Valley Watershed Fund	2,609	334	696	628	747	2,187	2,047	406	49	9,006
Guadlaupe Watershed Fund	3,158	404	843	760	904	2,647	2,478	492	60	10,902
Coyote Watershed Fund	4,668	597	1,246	1,123	1,336	3,913	3,663	727	88	16,115
Uvas/Llagas Watershed Fund	1,564	1,062	1,138	966	86	89	92	58	74	3,991
Watershed Stream Stewardship Fund	6,532	599	1,132	1,096	943	2,234	2,070	421	68	13,962
Water Enterprise Fund	4,628	3,609	2,812	292	877	36	156	0	0	9,598
Mitigation Total	**23,845**	**6,692**	**8,050**	**5,030**	**5,089**	**11,680**	**11,044**	**2,211**	**353**	**65,944**
ENVIRONMENTAL ENHANCEMENT										
Guadlaupe Watershed Fund	1,761	445	0	779	2,318	143	0	0	0	5,446
Clean Safe Creeks and Natural Flood Protection	441	338	263	431	125	0	0	0	0	1,335
Water Enterprise Fund	1,483	580	858	265	3,766	505	76	45	0	6,720
Environmental Enhancement Total	**3,685**	**1,363**	**1,121**	**1,475**	**6,209**	**648**	**76**	**45**	**0**	**13,501**
BUILDINGS AND GROUNDS										
Lower Peninsula Watershed Fund	0	0	0	144	422	19	0	0	0	585
West Valley Watershed Fund	0	0	0	134	366	16	0	0	0	516
Guadlaupe Watershed Fund	0	0	0	186	543	24	0	0	0	754
Coyote Watershed Fund	0	0	0	132	312	13	0	0	0	457
Uvas/Llagas Watershed Fund	0	0	0	73	131	5	0	0	0	209
Watershed Stream Stewardship Fund	0	0	0	161	482	21	0	0	0	664
Water Enterprise Fund	1,236	12	636	1,805	3,668	167	0	0	0	6,887
General Fund	6,679	5,036	10,092	2,261	14,646	2,122	2,185	2,251	12,309	47,489
Buildings & Grounds Total	**7,915**	**5,048**	**10,728**	**4,897**	**20,570**	**2,387**	**2,185**	**2,251**	**12,309**	**57,562**

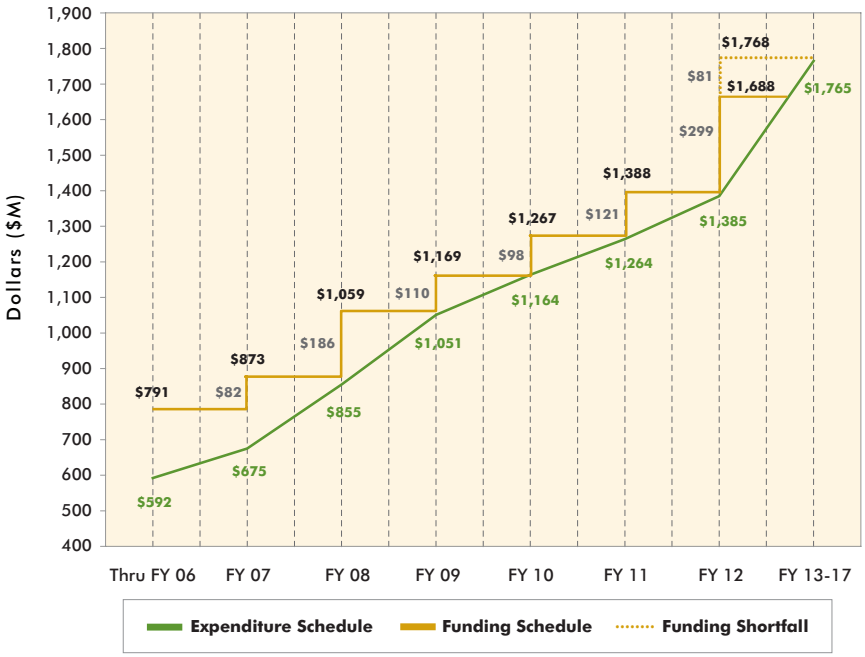
* FY 2013-2017 future years funding requests of $206,799 (above) includes a projected funding shortfall of $81 million, beginning in FY 2014.

CIP Funding Schedule by Type of Improvement and Funding Sources (cont'd)

	THRU FY06	FY07	UNSPENT AS OF FY07	FY08	FY09	FY10	FY11	FY12	FY 13-17	TOTAL
INFORMATION TECHNOLOGY										
Lower Peninsula Watershed Fund	750	0	55	67	86	65	69	45	0	1,082
West Valley Watershed Fund	750	0	55	58	77	56	59	39	0	1,039
Guadlaupe Watershed Fund	670	0	50	83	102	84	89	58	0	1,086
Coyote Watershed Fund	750	0	55	50	68	47	49	32	0	996
Uvas/Llagas Watershed Fund	278	0	20	19	26	19	20	13	0	375
Watershed Stream Stewardship Fund	0	0	0	68	71	75	79	52	0	344
Water Enterprise Fund	5,085	0	1,359	1,582	827	587	620	408	0	9,108
General Fund	2,885	900	1,020	287	58	0	0	0	0	4,130
Information Technology Total	**11,169**	**900**	**2,615**	**2,214**	**1,314**	**932**	**984**	**647**	**0**	**18,160**
Total	**711,605**	**79,475**	**117,389**	**82,174**	**185,641**	**110,113**	**97,946**	**120,843**	**380,137**	**1,767,934**
Cumulative Total	**711,605**	**791,080**		**873,254**	**1,058,895**	**1,169,008**	**1,266,954**	**1,387,797**	**1,767,934**	

As shown in the table, CIP Funding Schedule by Type of Improvement and Funding Sources: approximately $117 million of the already appropriated $791 million is not spent. Of the $117 million, $98 million is reappropriated to Fiscal Year 2007-08 for continued use in those same projects and in amounts consistent with the project expenditure schedule for Fiscal Year 2007-08. The portion of the balances that are not reappropriated to Fiscal year 2007-08, $19 million, will remain as designated reserves for Current Authorized Projects to be reappropriated in future years in accordance with the projects expenditure schedule beyond Fiscal Year 2007-08 (see Appendix D and individual project sheets). The following chart explains the relationship between the CIP Funding Schedule and Expenditure Schedule.

CIP Funding Schedule vs. CIP Expenditure Schedule



WATER SUPPLY CAPITAL IMPROVEMENTS

WATER SUPPLY OVERVIEW

The District manages and operates a complex and integrated water supply infrastructure, including storage, transmission, treatment, and recycled water facilities, to meet the Board's Ends Policy E–2.1, "There is a reliable supply of healthy, clean drinking water."

Storage Facilities

- 10 surface reservoirs
- 393 acres of recharge ponds
- 76 miles of in-stream recharge
- Ground water basins

Transmission Facilities

- 142 miles of pipelines
- 3 pump stations

Treatment Facilities

- 3 treatment plants

Recycled Water Facilities

- South County Recycled Water Treatment Plant
- South County Recycled Water Distribution System

Planning, design and construction of the above facilities took decades of effort. Beginning in the 1930s, reservoirs and recharge ponds were built to halt ground water basin subsidence, followed by pipelines and treatment plants to bring in state and federal water to meet growing water demands in the county.

In the early 1990s, the District embarked on new and challenging capital improvements to upgrade its three drinking water treatment plants in order to meet new Environmental Protection Agency rules for improved water quality required by 1996 amendments to the Safe Drinking Water Act. Fifteen years of effort and capital funding have brought the upgrades at Penitencia and Santa Teresa Water Treatment Plants to completion. Delivery of ozonated water produced at these two treatment plants began in 2006.

With a significant portion of the Water Supply infrastructure approaching forty to fifty years of age, maintaining and upgrading the existing infrastructure to ensure each facility functions as intended for its useful life became the focus of the Water Supply Capital Improvement Program in recent years, as shown in the CIP.

Major Capital Improvements Identified in CIP

Storage:

- Calero/Fellows Dike Improvement
- Dam Instrumentation
- Lenihan Dam Outlet Modifications

Transmission:

- Almaden-Calero Canal Rehabilitation
- Main Avenue Pipeline

Treatment:

- Almaden Campus Water Quality Lab
- IRP2 Seismic Study and Retrofit of Water Treatment Plants and Ops Buildings
- Rinconada Water Treatment Plant Improvements, Stage 2

Recycled Water:

- Recycled Water Advanced Treatment Facility

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to ensure that the new water supply projects proposed to be added to the Fiscal Year 2007-08 CIP reflect the Board's priorities. The priority criteria used to evaluate these projects is included in Appendix A.

A financial analysis of the Water Enterprise Fund, the funding source for water supply capital improvements, was performed to determine the limitations to funding the projects in the approved Fiscal Year 2007-08 capital program. Results of this year's prioritization process and financial analysis are summarized in Appendix B.

Based on the feedback from the FY 2006-07 CIP and the Board direction, a concerted effort was made to develop a water charge structure that would support the priority work of the water utility business. Staff analyzed both immediate requirements and anticipated future needs to support operations and the continued appropriations for capital investment needed to maintain infrastructure and comply with water quality regulations. A water charge structure was recommended by staff and adopted by the Board that funds identified priorities.

The majority of capital projects included in the 5-Year CIP are related to asset management which replaces aging equipment and facilities, or infrastructure reliability, which protects the county's baseline water supply.

The District is currently engaged in several critical studies related to understanding the conditions of various existing water supply facilities or meeting future water supply needs of the county. These studies, such as San Luis Low Point Solution, Dam Safety Program or South County Water Supply Master Plan, will likely identify a number of new capital projects with significant capital investments. Following are preliminary information for these studies:

- San Luis Low Point Solution placeholder ($118M)
- Dam Rehabilitation placeholder ($150M)
- Construct well fields on the east and west sides of the system as part of the Water Infrastructure Reliability Program – Portfolio 2 ($153.8M)
- Construct Advanced Recycled Water Treatment Plant – Coyote Valley ($25.4M)
- Construct Diversion to Maximize Recharge Capability at Church Avenue ($3.8M)
- Madrone Avenue Pipeline Rehabilitation ($7.4M)
- Construct new South County Recharge Ponds ($39.6M)
- Long Term South County Recycled Water Facility

WATER SUPPLY CAPITAL IMPROVEMENTS

The following table is a project funding schedule for water supply capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the page number identified. The chart also identifies partially funded projects and estimated unspent appropriations from FY 2006-07.

Water Supply Capital Improvements

PG #	PROJECT NAME	THRU FY06	FY07	UNSPENT AS OF FY07	FY08	FY09	FY10	FY11	FY12	FY 13-17	TOTAL
	STORAGE FACILITY										
III-7	Almaden Dam Outlet Works Improvements	2,103	0	0	0	548	564	1,163	4,745	9,040	18,163
III-9	Calero/Fellows Dike Improvement	2,062	525	82	820	597	212	6,572	169	0	10,957
III-11	Dam Instrumentation	3,503	1,611	518	1,398	6,281	265	0	0	0	13,058
III-13	Lenihan Dam Outlet Modifications	8,571	19,776	18,785	4,915	36,652	690	0	0	0	69,604
III-15	Pacheco Pumping Plant ASD Replacement	3,019	0	2,447	0	7,808	339	349	359	697	12,571
III-17	Pacheco Pumping Plant Regulating Tank Recoating	0	0	0	223	211	0	0	0	0	434
III-19	San Felipe Communications Cable Replacement	0	0	0	264	424	1,832	0	0	0	2,520
III-21	San Luis Reservoir Low Point Improvement	15,143	0	4,624	0	0	165	0	0	0	15,308
III-23	San Tomas Well Field	11,444	0	370	382	0	0	0	0	0	11,826
	TRANSMISSION FACILITY										
III-27	Alamitos Diversion Dam Improvements	0	357	154	462	2,522	48	0	0	0	3,389
III-29	Almaden-Calero Canal Rehabilitation	1,449	0	0	637	637	6,769	1,255	367	0	11,114
III-31	Coyote Diversion Dam Improvements	0	310	285	367	210	2,144	424	0	0	3,455
III-33	IRP2 Backup Raw Water Control Center at Almaden	0	0	0	0	33	112	808	602	0	1,555
III-35	IRP2 Self-Sufficient SCADA System	0	0	0	0	685	705	2,394	1,845	0	5,629
III-37	Kirk Ditch Improvements	379	0	0	1,398	271	0	0	0	0	2,048
III-39	Kirk Diversion Dam Improvements	0	313	313	0	1,690	438	0	0	0	2,441
III-41	Kirk Diversion Fish Screen	0	0	0	224	1,151	0	0	0	0	1,375
III-43	Main Avenue Pipeline	0	0	0	918	1,145	6,360	0	0	0	8,423
III-45	Page Desilting System Improvements	0	0	0	0	440	815	0	0	0	1,255
III-47	Penitencia Fish Facilities Modifications	0	0	0	0	0	283	232	180	912	1,607
III-49	San Francisco Water Department Intertie	3,654	0	380	0	0	0	0	0	0	3,654
III-51	Santa Clara Distributary Turnout	0	0	0	98	1,117	0	0	0	0	1,215
III-53	Santa Clara Tunnel Landslide Repair	4,442	71	45	0	12	0	0	0	0	4,525
III-55	Santa Clara Valley Recharge Ponds	0	0	0	0	0	341	351	6,923	16,153	23,768
III-57	South County Pipeline Right of Way Acquisition	0	0	0	0	262	206	1,595	0	0	2,063
III-59	Stevens Creek Diversion	0	0	0	0	0	0	151	0	0	151
III-61	Vasona Canal Improvement	0	0	0	134	0	0	0	0	0	134
III-63	Water Infrastructure Reliability Program	4,167	90	93	53	0	0	0	0	0	4,310

FY 2006-07 Funds to be reappropriated

Water Supply Capital Improvements (cont'd)

PG #	PROJECT NAME	THRU FY06	FY07	UNSPENT AS OF FY 07	FY08	FY09	FY10	FY11	FY12	FY 13-17	TOTAL
	TREATMENT FACILITY										
III-67	Almaden Campus Water Quality Laboratory	20,999	6,372	1,691	1,741	0	0	0	0	0	29,112
III-69	IRP2 Seismic Study and Retrofit of WTP Ops Bldg	0	0	0	945	1,817	4,721	4,988	4,816	2,334	19,621
III-71	PWTP Backwash Pump Replacement	803	0	696	0	326	33	0	0	0	1,162
III-73	PWTP Chemical Systems Upgrade	506	0	230	124	1,682	147	0	0	0	2,459
III-75	PWTP Improvement, Stage 2	68,704	127	160	286	0	0	0	0	0	69,117
III-77	PWTP Maintenance Building	1,346	632	479	4,571	134	0	0	0	0	6,683
III-79	PWTP Standby Power Upgrade	2,336	0	1,810	0	26	0	0	0	0	2,362
III-81	RWTP Backwash Pump ASD Replacement	0	0	0	161	686	32	0	0	0	879
III-83	RWTP Chemical Storage Structure Seismic Upgrades	0	0	0	0	0	0	0	495	2,868	3,363
III-85	RWTP Chemical System Upgrade	714	0	199	2,575	865	53	0	0	0	4,207
III-87	RWTP Control System Trunk Cable Upgrade	291	0	60	484	103	0	0	0	0	878
III-89	RWTP Improvement, Stage 2	14,182	0	1,500	0	4,783	12,943	31,274	41,036	107,750	211,968
III-91	RWTP Standby Power Upgrade	1,469	0	1,035	477	1,583	46	0	0	0	3,575
III-93	RWTP Treated Water Distribution Flow Meter Replacement	0	0	0	511	206	0	0	0	0	717
III-95	RWTP Valve Replacements	0	0	0	4,847	1,669	53	0	0	0	6,569
III-97	STWTP Improvement, Stage 2	60,337	0	824	0	0	0	0	0	0	60,337
III-99	STWTP Incompatible Materials	2,280	0	1,131	0	2,536	1,347	144	0	0	6,307
III-101	Water Protection	590	17	221	3,820	4,687	0	0	0	0	9,114
III-103	Water Treatment Plants SCADA Upgrades	2,862	0	1,005	971	1,041	771	437	0	0	6,082
	RECYCLED WATER FACILITY										
III-107	Bay Area Regional Desalination, Mallard Slough Pilot Plant		300	45	0	0	0	0	0	0	300
III-109	Recycled Water Advanced Treatment Facility WPCP	3,095	0	60	0	12,832	7,281	0	0	0	23,208
III-111	Recycled Water Masterplan	3,224	0	145	0	3,795	6,581	0	0	0	13,600
III-113	Water Efficient Demonstration Garden	0	260	0	1,633	63	0	0	0	0	1,956
	Total	**243,674**	**30,761**	**39,387**	**35,439**	**100,530**	**56,296**	**52,137**	**61,537**	**139,754**	**720,128**

The following table shows funding requirements from each funding source for water supply capital improvements.

Water Supply - Funding Sources

FUNDING SOURCES	THRU FY06	FY07	FY07 UNSPENT	FY08	FY09	FY10	FY11	FY12	FY 13-17	TOTAL
Water Enterprise Fund	243,674	30,761	39,387	35,439	100,530	56,296	52,137	61,537	139,754	720,128
Total	**243,674**	**30,761**	**39,387**	**35,439**	**100,530**	**56,296**	**52,137**	**61,537**	**139,754**	**720,128**

FY 2006-07 Funds to be reappropriated

WATER SUPPLY CAPITAL IMPROVEMENTS

Storage Facilities Project Pages

Project	Almaden Dam Outlet Works Improvements
Program	Water Supply – Storage
Priority No.	37
Project No.	91854001
District Contact	Michael Hamer mhamer@valleywater.org

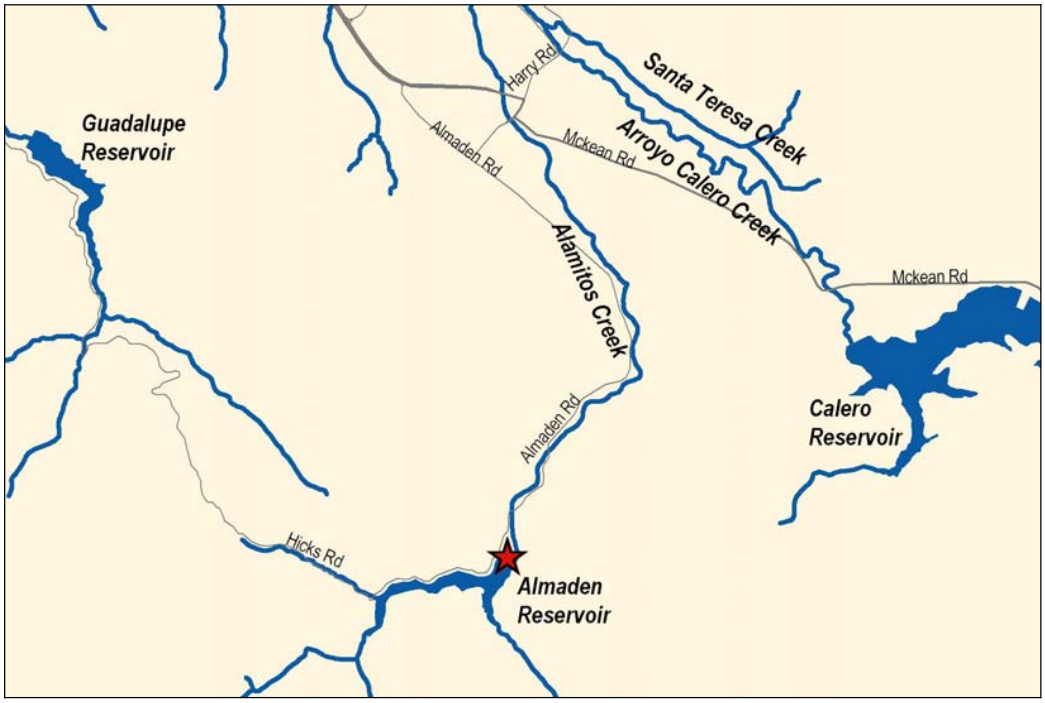
Aerial view of Almaden Dam and spillway, with a portion of the reservoir

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Almaden Dam Outlet Works to accomplish the following objectives:

- Modify or construct a new intake structure, capable of releasing 246 cfs of water without flushing of sediments though the outlet works.
- Correct existing problems with the outlet energy dissipation structure, piping and valves.

PROJECT LOCATION

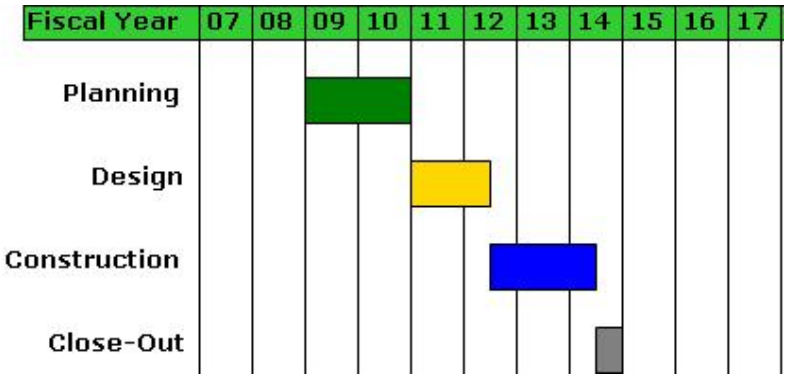


Project Location

PROJECT SCHEDULE

October 2000 to June 2014

This project is on hold and scheduled to resume work in 2008, when the seismic analysis of the dam is expected to be complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Almaden Dam Outlet Works Improvements	2,103	0	0	532	532	1,064	3,952	6,790	14,973
with inflation	2,103	0	0	548	564	1,163	4,745	9,040	18,164

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Almaden Dam Outlet Works	2,103	0	0	0	548	564	1,163	4,745	9,040	18,164

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	18,164
Other Funding Source	0
Total	18,164

OPERATING COST IMPACTS

No operating cost impacts are anticipated from the construction of this project.

USEFUL LIFE: 50+ Years

Project	Calero/Fellows Dike Improvements
Program	Water Supply – Storage
Priority No.	26
Project No.	91874003
District Contact	Michael Hamer mhamer@valleywater.org

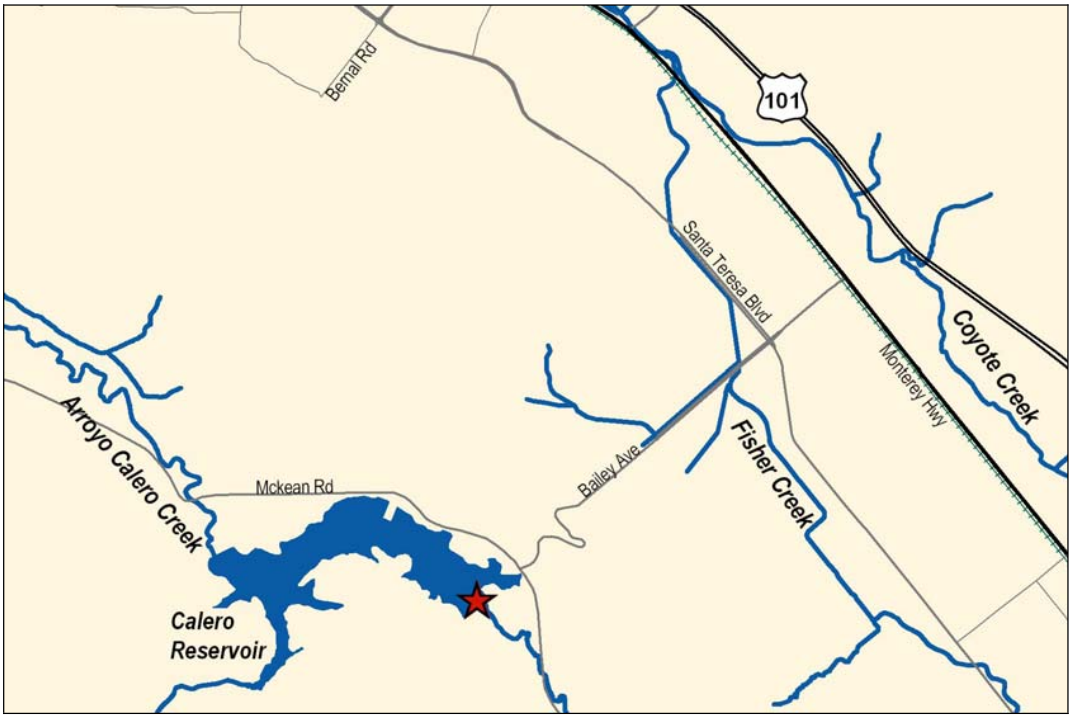
View of Fellows Dike from Calero Reservoir. The historic Bailey-Fellows House can be seen in the background.

PROJECT DESCRIPTION

The objective of the Calero/Fellows Dike improvement is to:

- Develop and implement a solution to resolve Fellows Dike Safety issues.
- Optimize the water utility benefits of Calero Reservoir.
- Rescind the existing California Department of Water Resources Division of Safety of Dams (DSOD) restriction which limits the storage capacity of the Calero Reservoir.

PROJECT LOCATION



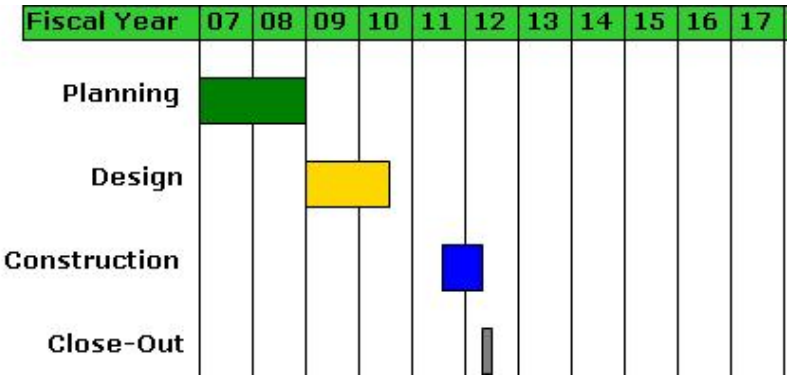
Project Location

PROJECT SCHEDULE

October 2000 to December 2011

The project schedule and funding schedule are based on one alternative which upgrades the dike to obtain DSOD certification.

The interruption in project schedule will coordinate with the Calero Stable's closure, November 2010



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Calero/Fellows Dike Improvements	2,055	450	902	580	200	4,800	150	0	9,137
with inflation	2,055	450	902	597	212	6,572	169	0	10,957

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Calero/Fellows Dike Improvements	2,062	525	82	820	597	212	6,572	169	0	10,957

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	10,957
Other Funding Source	0
Total	10,957

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $7,000 per year.

USEFUL LIFE: 50+ Years

Project	**Dam Instrumentation**
Program	Water Supply – Storage
Priority No.	69
Project No.	91084010
District Contact	Michael Hamer mhamer@valleywater.org

Piezometers similar to those being installed here at Lenihan Dam will be installed at the other dams

PROJECT DESCRIPTION

This project installs state-of-practice automated geotechnical instrumentation at Almaden, Anderson, Calero, Chesbro, Coyote, Guadalupe, Rinconada Treated Water Reservoir, Stevens Creek, Uvas and Vasona Dams in a phased approach, to accomplish the following objectives:

- Monitor internal movement and water pressure at the ten District's dams referenced above.
- Develop a system at each dam that is capable of collecting, checking, recording, and archiving the collected data and alarming staff when parameters exceed set threshold limits.

This Dam Instrumentation Project is a major element of the Dam Safety Program at the District. The installed instrumentation will provide critical information to potentially identify needed capital improvements to ensure the structural integrity of the District's Dams. The scope, schedule, costs and funding sources for these potential capital improvements are not identified.

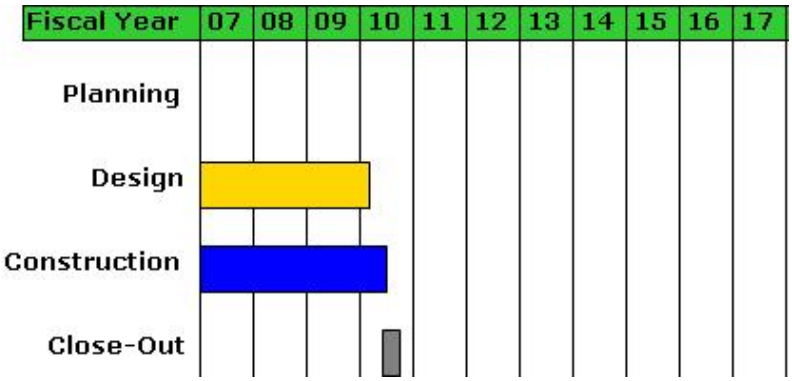
PROJECT LOCATION

Project Location

PROJECT SCHEDULE

May 2004 to March 2010

Planning phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Dam Instrumentation	3,486	1,110	1,916	5,360	250	0	0	0	12,122
with inflation	3,486	1,110	1,916	6,281	265	0	0	0	13,058

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Dam Instrumentation	3,503	1,611	518	1,398	6,281	265	0	0	0	13,058

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	13,058
Other Funding Source	0
Total	13,058

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $193,000 per year.

USEFUL LIFE: 10+ Years

Project	Lenihan Dam Outlet Modifications
Program	Water Supply – Storage
Priority No.	64
Project No.	91904005
District Contact	Michael Hamer mhamer@valleywater.org

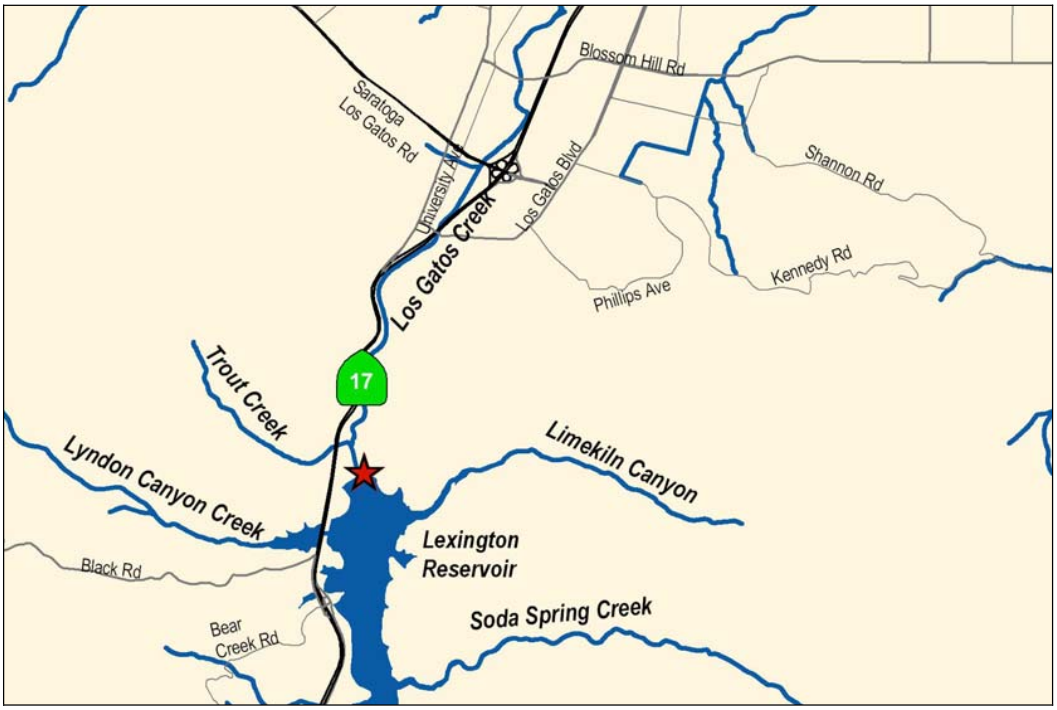
Lexington Reservoir with the Lenihan Dam Outlet structure in the foreground

PROJECT DESCRIPTION

The objective of the Lenihan Dam Outlet Modifications project is to:

- Design and construct a new low-level outlet works so the reservoir can safely meet District and California Department of Water Resources Division of Safety of Dams (DSOD) discharge requirements.
- Rescind the existing Division of Safety of Dams restrictions that limit outlet release flows to 70 cfs.

PROJECT LOCATION

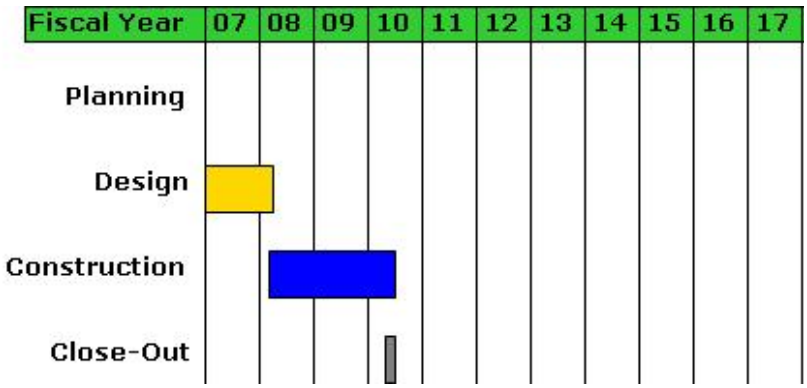


Project Location

PROJECT SCHEDULE

October 2000 to December 2009

Planning phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Lenihan Dam Outlet Modifications	8,282	1,280	23,700	31,340	650	0	0	0	65,252
with inflation	8,282	1,280	23,700	35,652	690	0	0	0	69,604

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Lenihan Dam Outlet Modifications	8,571	19,776	18,785	4,915	35,652	690	0	0	0	69,604

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	69,604
Other Funding Source	0
Total	69,604

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 50+ Years

Project	Pacheco Pumping Plant ASD Replacement
Program	Water Supply – Storage
Priority No.	52
Project No.	91954001
District Contact	Michael Hamer mhamer@valleywater.org

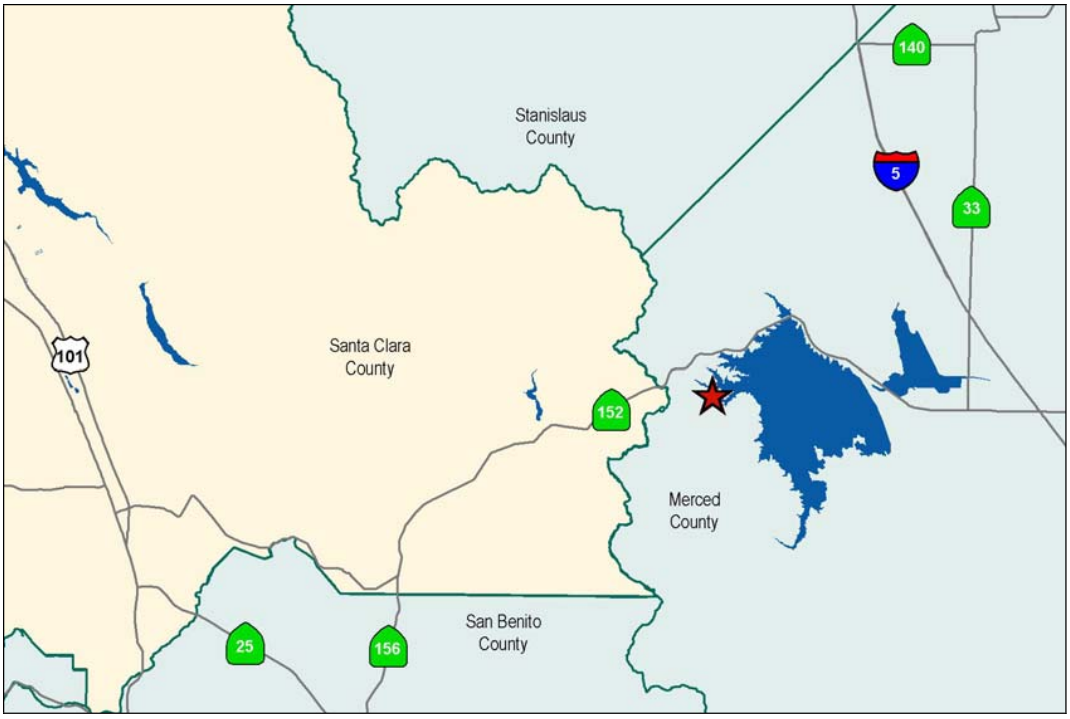
ASD drive gallery

PROJECT DESCRIPTION

This project plans, design, and constructs improvements to replace all twelve Adjustable Speed Drives (ASDs) at Pacheco Pumping Plant to accomplish the following objectives:

- Reduce risk of failure of this critical pumping plant through replacement of obsolete and unsupported adjustable speed drives.
- Modify pump motors to accommodate the new adjustable speed drive technology.
- Upgrade/replace the pumping plant's aging HVAC system.
- Complete seismic improvements related to ASD replacement.
- Integrate Supervisory Control and Data Acquisition control systems.

PROJECT LOCATION

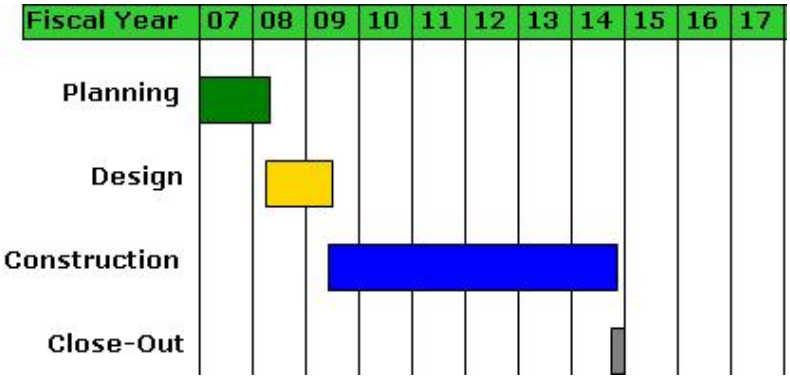


Project Location

PROJECT SCHEDULE

July 2003 to June 2014

Construction will be staged, with breaks for high flows in May through September of each year.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Pacheco Pumping Plant ASD Replacement	80	492	950	8,357	320	319	319	593	11,430
with inflation	80	492	950	9,305	339	349	359	697	12,571

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Pacheco Pumping Plant ASD Replacement	3,019	0	2,447	0	7,808	339	349	359	697	12,571

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	12,571
Other Funding Source	0
Total	12,571

Cost sharing with US Bureau of Reclamation and San Benito County is anticipated.

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 35+ Years

Project	Pacheco Pumping Plant Regulating Tank Recoating
Program	Water Supply - Storage
Priority No.	58
Project No.	91214008
District Contact	Michael Hamer mhamer@valleywater.org

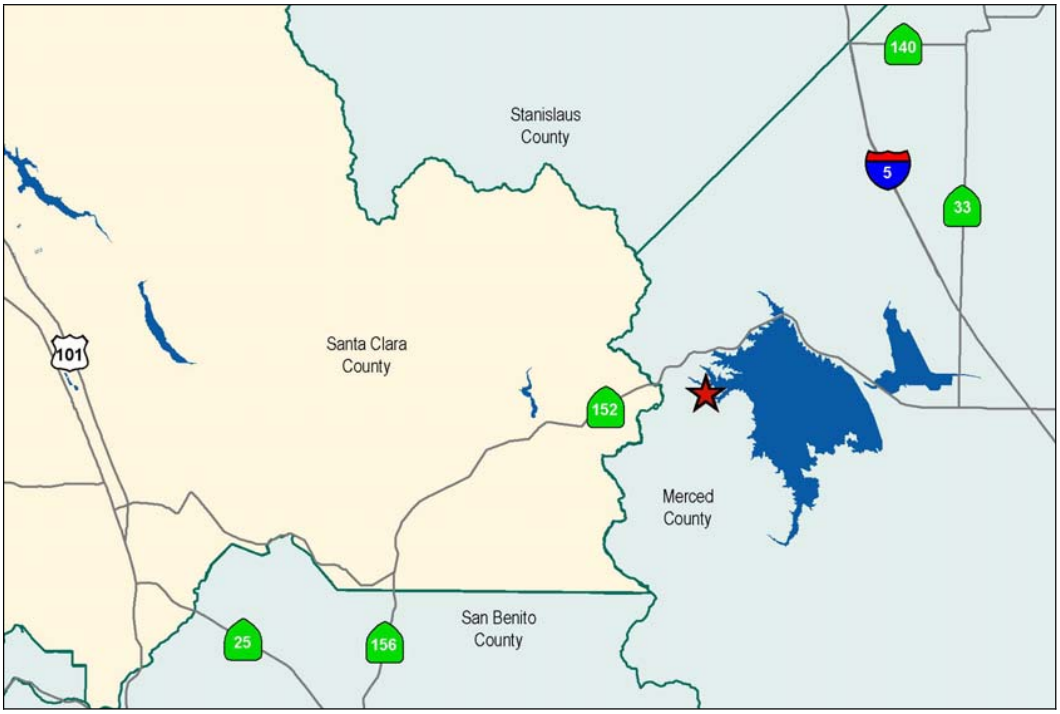
View of the regulating tank and surrounding area

PROJECT DESCRIPTION

This project plans, designs and constructs improvements at Pacheco Pumping Plant regulating tank to extend the service life of the tank by at least 15 to 20 years.

This project is currently funded for planning phase only. The scope, schedule, costs and funding sources of design phase and construction phase will be determined at the completion of the planning phase.

PROJECT LOCATION

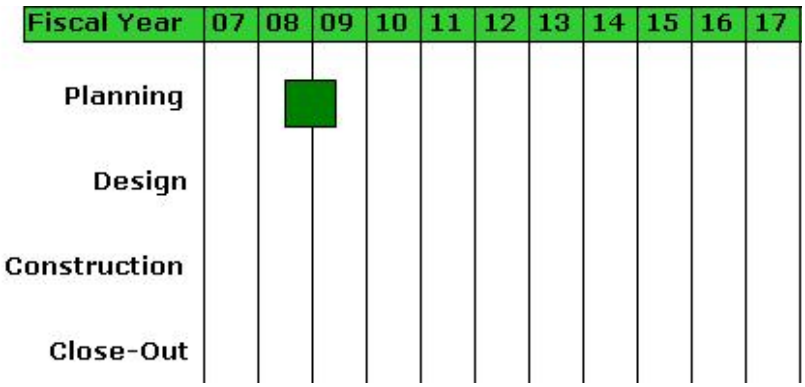


Project Location

PROJECT SCHEDULE

January 2008 to November 2008

(Planning Phase Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Pacheco Pumping Plant, Regulating Tank Recoating	0	0	223	205	0	0	0	0	428
with inflation	0	0	223	211	0	0	0	0	434

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Pacheco Pumping Plant, Regulating Tank Recoating	0	0	0	223	211	0	0	0	0	434

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	434
Other Funding Source	0
Total	434

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years

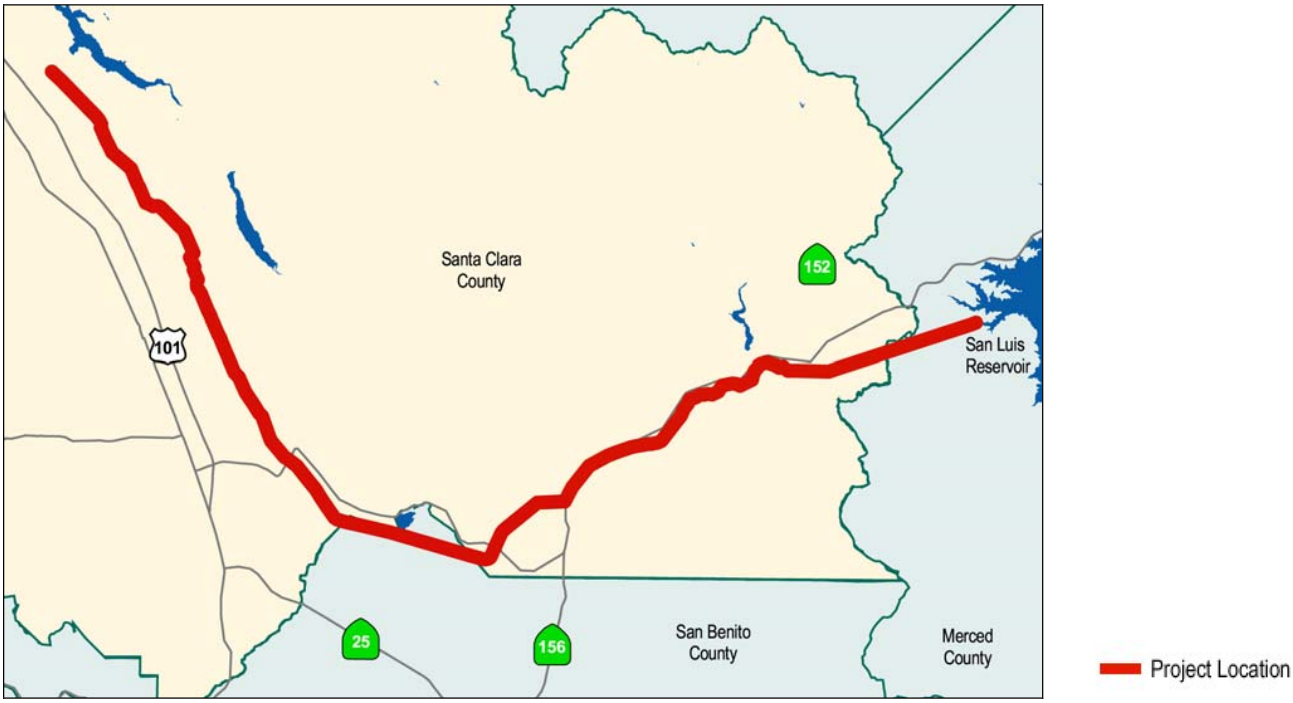
Project	San Felipe Communications Cable Replacement
Program	Water Supply – Storage
Priority No.	56
Project No.	91214009
District Contact	Michael Hamer mhamer@valleywater.org

Overhead fiber optic cable lines near San Luis Reservoir

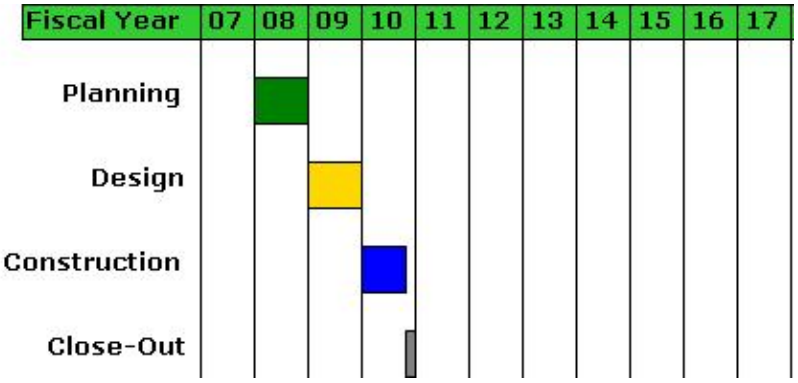
PROJECT DESCRIPTION

This project plans, designs, and constructs (1) the overland fiber optic cable from the Pacheco Pumping Plant at San Luis Reservoir to the west portal of the Pacheco Tunnel near Highway 152 and Casa de Fruta and (2) the underground communications cable from the West portal of the Pacheco Tunnel to the Coyote Pumping Plant. The objective is to ensure reliable communications to allow control of Pacheco Pumping Plant from the control center at Rinconada Water Treatment Plant (RWTP).

PROJECT LOCATION



PROJECT SCHEDULE
July 2007 to June 2010



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
San Felipe Communications Cable Replace	0	0	264	412	1,425	0	0	0	2,101
with inflation	0	0	264	424	1,832	0	0	0	2,521

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
San Felipe Communications Cable Replace	0	0	0	264	424	1,832	0	0	0	2,521

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	2,521
Other Funding Source	0
Total	2,521

OPERATING COST IMPACTS
The completion of this project is anticipated to decrease operating costs by approximately $30,000 per year.

USEFUL LIFE: 30+ Years

Project	San Luis Reservoir Low Point Improvement
Program	Water Supply – Storage
Priority No.	64
Project No.	91214007
District Contact	Michael Hamer mhamer@valleywater.org

San Luis Reservoir

PROJECT DESCRIPTION

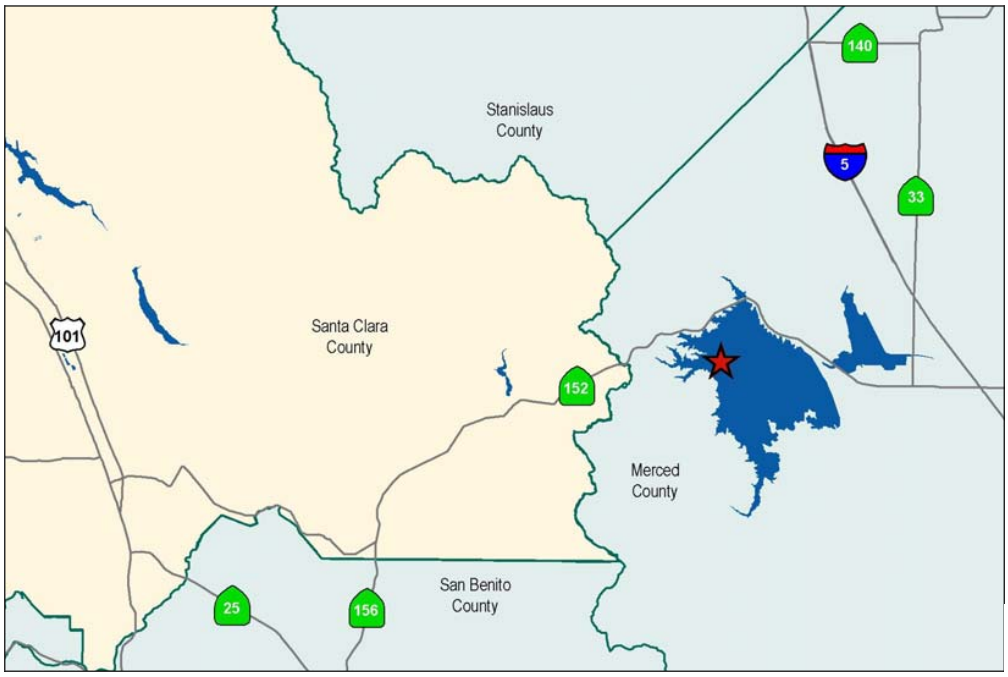
This project is in Federal Feasibility with the U.S. Bureau of Reclamation. The objectives, benefits, scope of work and schedule are determined by the federal process. These are presented in the Federal Appraisal Report and Plan of Study May 2006. The federal feasibility study is anticipated to be completed in 2009. On the basis of the water resources problems identified to date, the following preliminary study objectives were developed for this project:

- Increase the certainty of meeting the requested delivery schedule of annual allocations to San Luis Reservoir dependant Central Valley Project (CVP) Contractors.
- To the extent possible, while meeting the first objective, increase the reliability (quality of water available for allocation) of annual allocations to CVP contractors.
- To the extent possible, while meeting the first objective, forecast the final allocation to San Luis Reservoir dependent contractors earlier in the season.

Several additional opportunities may also be available as a result of addressing the above objectives. These include water quality improvements for the San Felipe Division contractors and ecosystem restoration opportunities.

The project is currently funded for federal planning only. The scope, schedule, costs and funding sources for design and construction will be determined at the completion of the planning phase.

PROJECT LOCATION

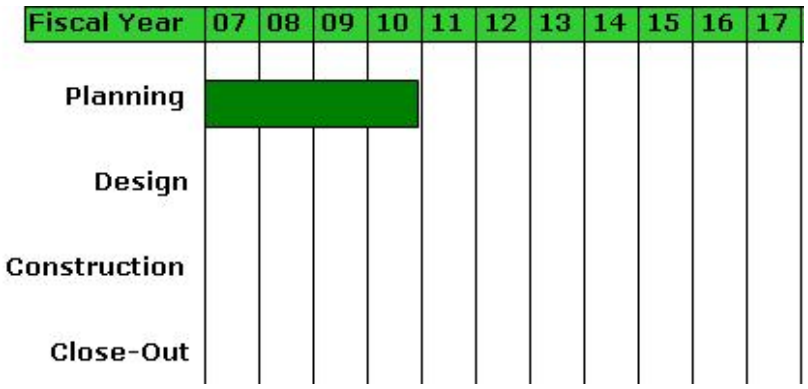


Project Location

PROJECT SCHEDULE

July 2001 to May 2010

(Planning Phase Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
San Luis Reservoir Low Point Improvement	10,319	200	1,025	1,750	1,849	0	0	0	15,143
with inflation	10,319	200	1,025	1,803	1,962	0	0	0	15,308

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
San Luis Reservoir Low Point Improvement	15,143	0	4,624	0	0	165	0	0	0	15,308

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

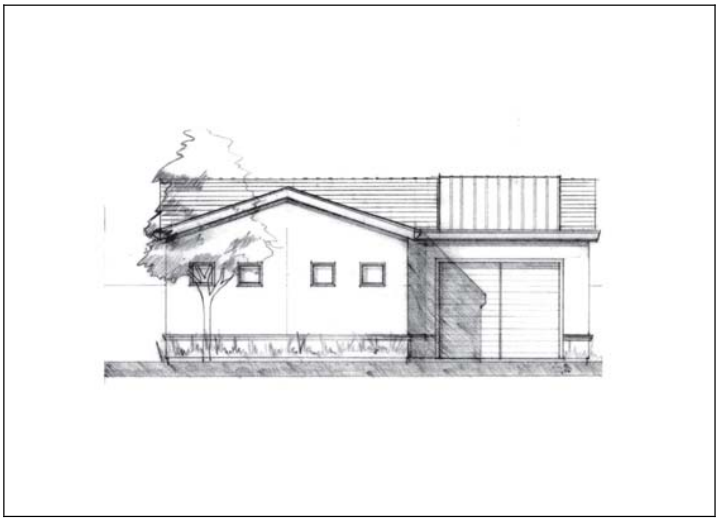
SCVWD Water Utility Enterprise Fund	1,223
Department of Water Resources	14,039
U.S. Bureau of Reclamation	46
Total	15,308
U.S. Bureau of Reclamation cost share federal feasibility report	2,000

OPERATING COST IMPACTS

Planning Phase Only: No operating cost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: Not Available

Project	San Tomas Well Field
Program	Water Supply – Storage
Priority No.	34
Project No.	91124001
District Contact	Keith Whitman kwhitman@valleywater.org

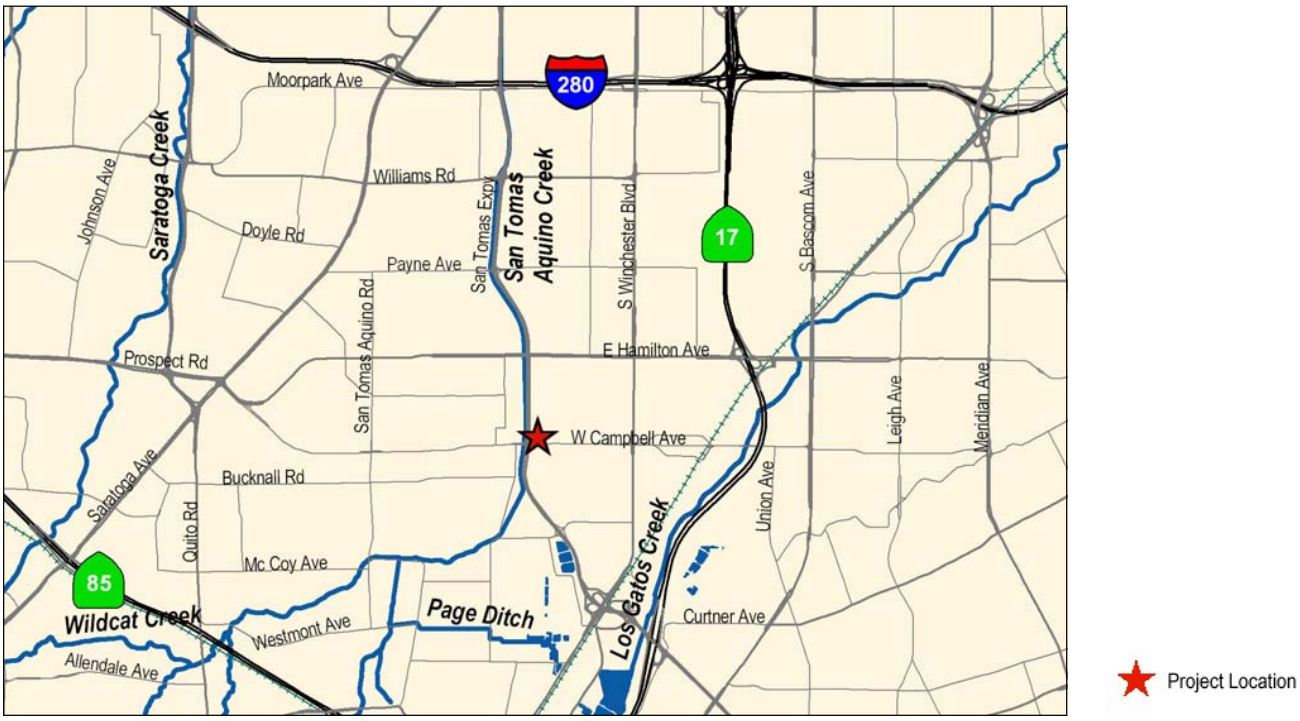


Conceptual well building design for San Tomas Well Field

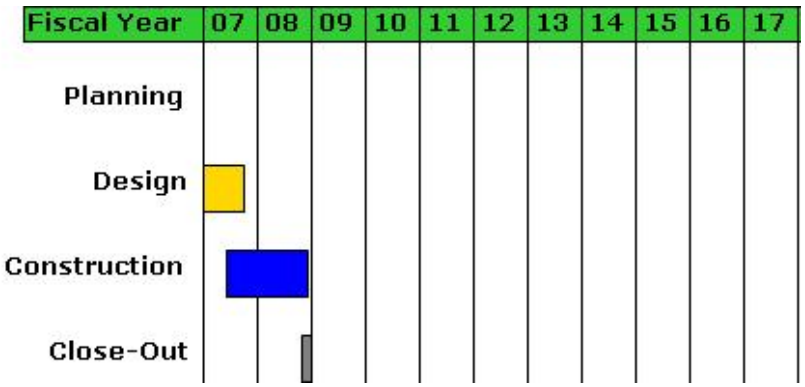
PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at the San Tomas Well Field in the City of Campbell to enhance water supply management by preserving and improving groundwater extraction capacity.

PROJECT LOCATION



PROJECT SCHEDULE
March 2003 to June 2008



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
San Tomas Well Field	10,886	188	752	0	0	0	0	0	11,826
with inflation	10,886	188	752	0	0	0	0	0	11,826

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
San Tomas Well Field	11,444	0	370	382	0	0	0	0	0	11,826

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	7,326
City of Campbell Redevelopment Agency	4,500
Total	11,826

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $150,000 per year.

USEFUL LIFE: 15+ Years

WATER SUPPLY CAPITAL IMPROVEMENTS

Transmission Facilities Project Pages

Project	Alamitos Diversion Dam Improvements
Program	Water Supply – Transmission
Priority No.	73
Project No.	92404003
District Contact	Michael Hamer mhamer@valleywater.org

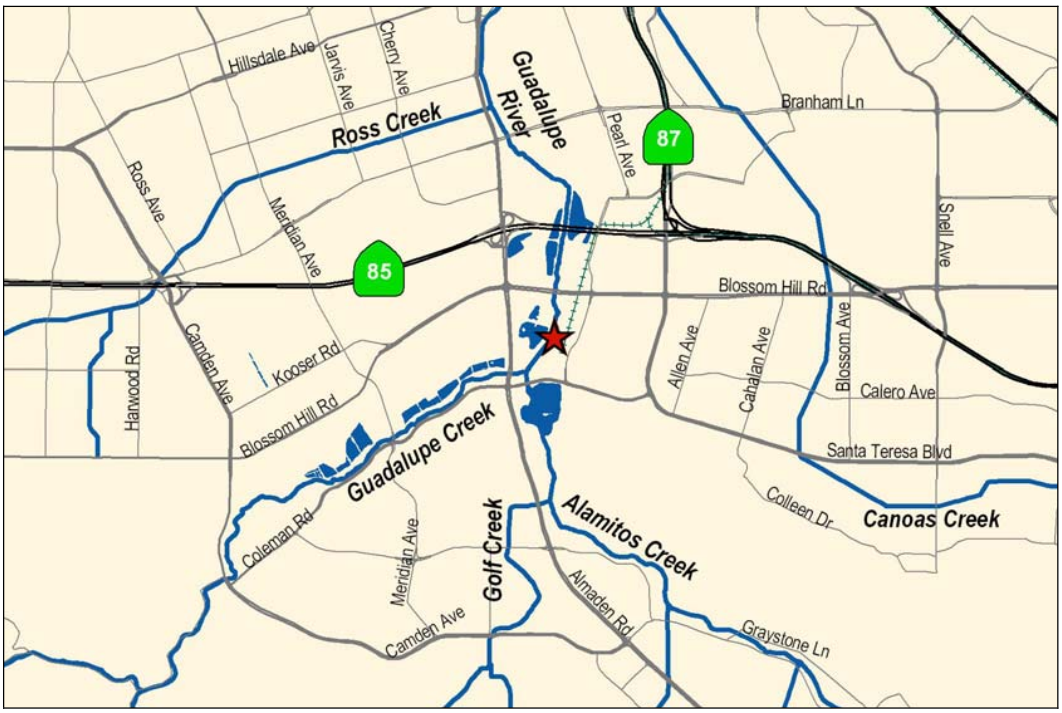
Future location of Alamitos Diversion Dam on Guadalupe River

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Alamitos Diversion Dam on the Guadalupe River, about 1,300 feet upstream of Blossom Hill Road in San Jose, to accomplish the following objectives:

- Preserve existing water rights.
- Improve staff safety by minimizing exposure of staff to a potentially hazardous environment.
- Enhance recreational opportunities.
- Perform operations and maintenance in a more environmentally sensitive manner.

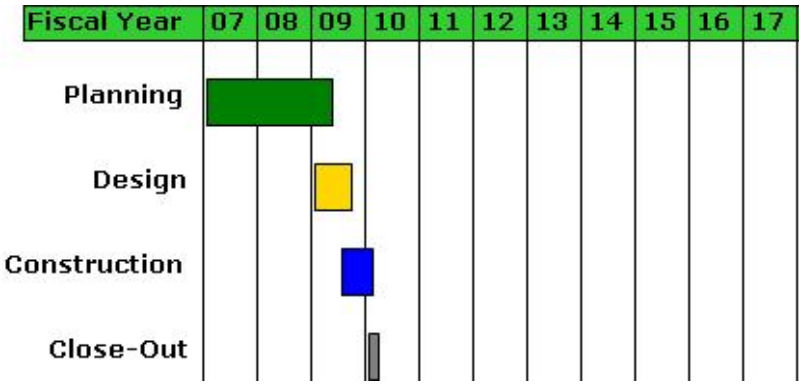
PROJECT LOCATION



Project Location

PROJECT SCHEDULE

August 2006 to September 2009



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Alamitos Diversion Dam Improvements	0	203	616	2,152	45	0	0	0	3,016
with inflation	0	203	616	2,522	48	0	0	0	3,388

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Alamitos Diversion Dam Improvements	0	357	154	462	2,522	48	0	0	0	3,388

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,388
Other Funding Source	0
Total	3,388

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 50+ Years

Project	Almaden-Calero Canal Rehabilitation
Program	Water Supply – Transmission
Priority No.	58
Project No.	92724001
District Contact	Michael Hamer mhamer@valleywater.org

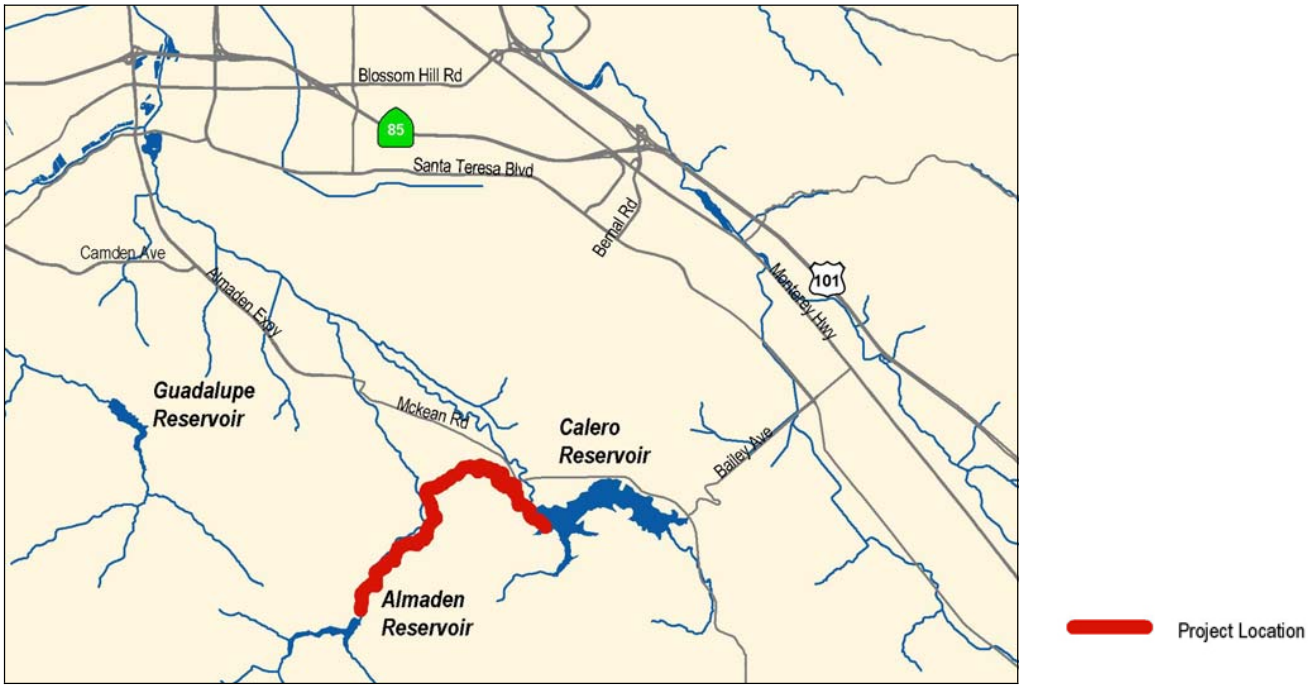
Almaden-Calero Canal, looking upstream at the upstream end of siphon #2

PROJECT DESCRIPTION

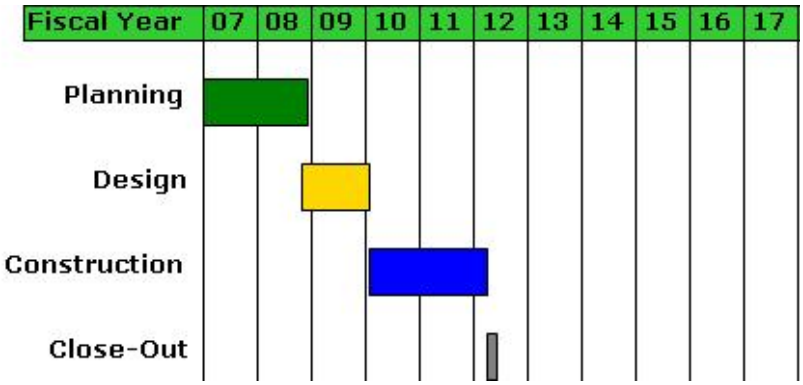
This project plans, designs, and constructs improvements on Almaden-Calero Canal at Calero Reservoir and between siphons #2 and #3 to accomplish the following objectives:

- Restore the Almaden-Calero Canal to its baseline capacity of 120 cfs, while maintaining adequate freeboard.
- Improve maintenance access.
- Mitigate for local landslides.
- Repair leakage and improve drainage at the flume.
- Improve drainage conditions at the catch basin, draining water upstream of siphon #2 to Alamitos Creek.
- Stabilize the maintenance road along Calero Reservoir.

PROJECT LOCATION



PROJECT SCHEDULE
October 2002 to November 2011



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Almaden Calero Canal Rehabilitation	1,449	0	637	618	5,330	955	309	0	9,298
with inflation	1,449	0	637	637	6,769	1,255	367	0	11,113

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Almaden Calero Canal Rehabilitation	1,449	0	0	637	637	6,769	1,255	367	0	11,113

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	11,113
Other Funding Source	0
Total	11,113

OPERATING COST IMPACTS
The completion of this project is anticipated to decrease operating costs by approximately $33,000 per year.

USEFUL LIFE: 40 Years

Project	**Coyote Diversion Dam Improvements**
Program	Water Supply – Transmission
Priority No.	71
Project No.	92484003
District Contact	Michael Hamer mhamer@valleywater.org

Steel Percolation Dam on Coyote Creek

PROJECT DESCRIPTION

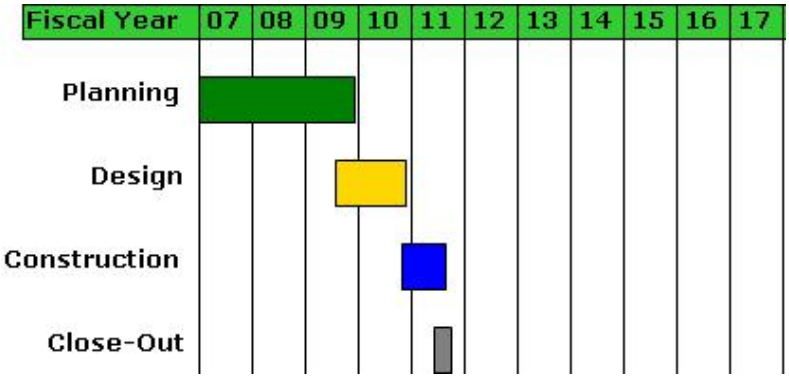
This project plans, designs, and constructs improvements to the Coyote Steel Percolation Dam located on Coyote Creek, about 2,000 feet downstream of Metcalf Road, to accomplish the following objectives:

- Preserve existing water rights.
- Improve staff safety associated with the removal and installation of the dam.
- Streamline flood prevention and operating procedures for removal and installation of the dam.

PROJECT LOCATION

Project Location

PROJECT SCHEDULE
July 2006 to March 2011



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Coyote Diversion Dam Improvements	0	25	652	204	1,690	388	0	0	2,959
with inflation	0	25	652	210	2,144	424	0	0	3,455

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Coyote Diversion Dam Improvements	0	310	285	367	210	2,144	424	0	0	3,455

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	3,455
Other Funding Source	0
Total	3,455

OPERATING COST IMPACTS
Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 50+ Years

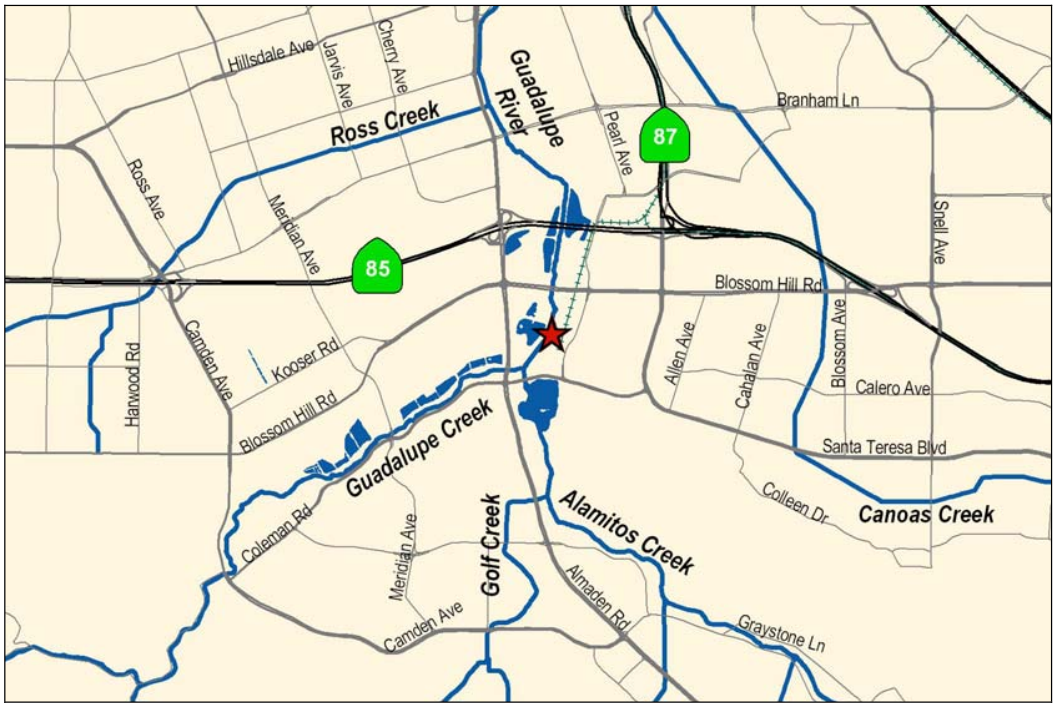
Project	IRP2 Backup Raw Water Control Center at Almaden
Program	Water Supply – Transmission
Priority No.	38
Project No.	92C40207
District Contact	Sandy Oblonsky soblonsky@valleywater.org

Raw water SCADA operations control room at RWTP.
A satellite control room will be constructed at Almaden.

PROJECT DESCRIPTION

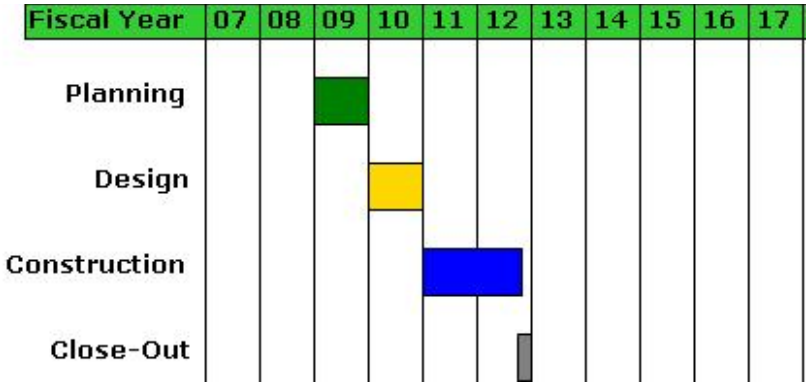
This project plans, designs, and constructs a raw water Supervisory Control and Data Acquisition (SCADA) system at the Almaden Campus, supporting the main system which is remotely located at Rinconada Water Treatment Plant (RWTP), as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2), to provide a backup location for the raw water SCADA system.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2008 to June 2012



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
IRP2 Backup Raw Water Control Center at Almaden	0	0	0	32	106	616	476	0	1,230
with inflation	0	0	0	33	112	808	602	0	1,556

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
IRP2 Backup Raw Water Control Center at Almaden	0	0	0	0	33	112	808	602	0	1,556

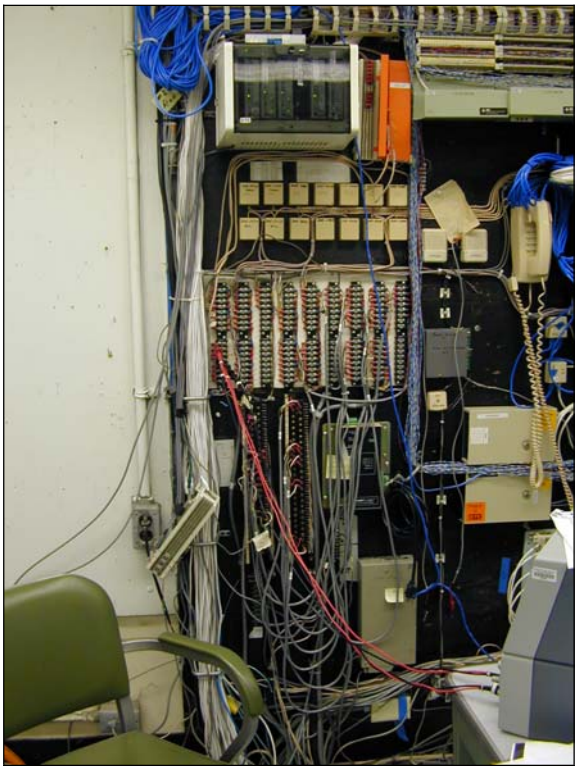
FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,556
Other Funding Source	0
Total	1,556

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $40,000 per year.

USEFUL LIFE: 10 Years

Project	IRP2 Self-Sufficient SCADA System
Program	Water Supply – Transmission
Priority No.	32
Project No.	92C40208
District Contact	Sandy Oblonsky soblonsky@valleywater.org



Leased phone lines at RWTP will no longer be used for primary SCADA communications.

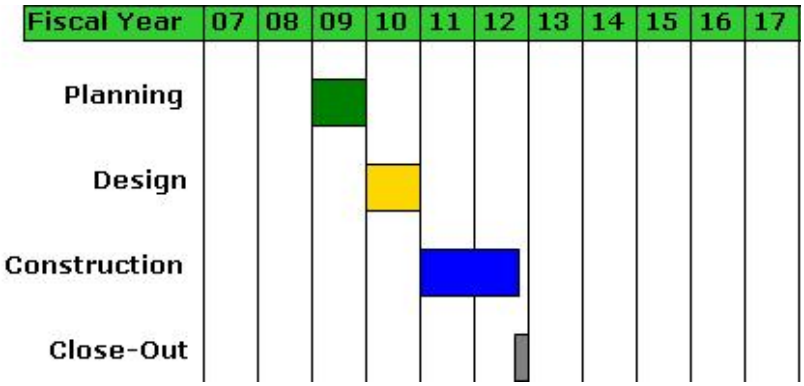
PROJECT DESCRIPTION

This project plans, designs, and constructs a reliable means of primary communication with the District's Supervisory Control and Data Acquisition (SCADA) systems on raw and treated water lines, as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2). Leased phone lines will no longer be used for primary SCADA communication and additional repeater sites will be added. This project will provide for more cost-effective and reliable communications with remote facilities.

PROJECT LOCATION

The location of repeater sites and other systems will be identified during the initial phases of the project.

PROJECT SCHEDULE
July 2008 to June 2012



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
IRP2 Self-Sufficient SCADA System	0	0	0	665	665	1,822	1,463	0	4,615
with inflation	0	0	0	685	705	2,394	1,845	0	5,629

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
IRP2 Self-Sufficient SCADA System	0	0	0	0	685	705	2,394	1,845	0	5,629

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	5,629
Other Funding Source	0
Total	5,629

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $152,500 per year.

USEFUL LIFE: 10 Years

Project	**Kirk Ditch Improvements**
Program	Water Supply – Transmission
Priority No.	33
Project No.	92534002
District Contact	Michael Hamer mhamer@valleywater.org

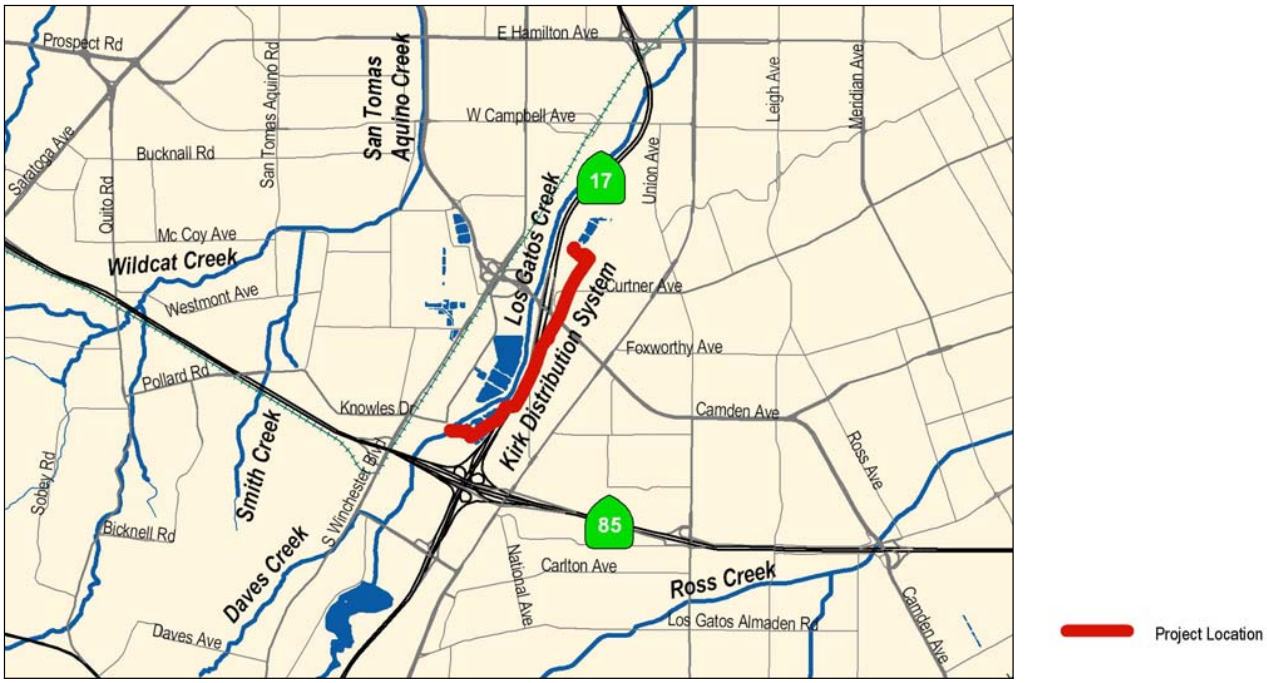
Kirk Ditch transitioning to conduit under Camden Avenue along the westerly side of White Oaks Road.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to convert 250 feet of open channel to closed conduit and cover 100 feet of open channel with concrete cover to accomplish the following objectives:

- Reduce maintenance cost and possibility of plugging.
- Reduce risk of injury.
- Improve accuracy in stream flow data.

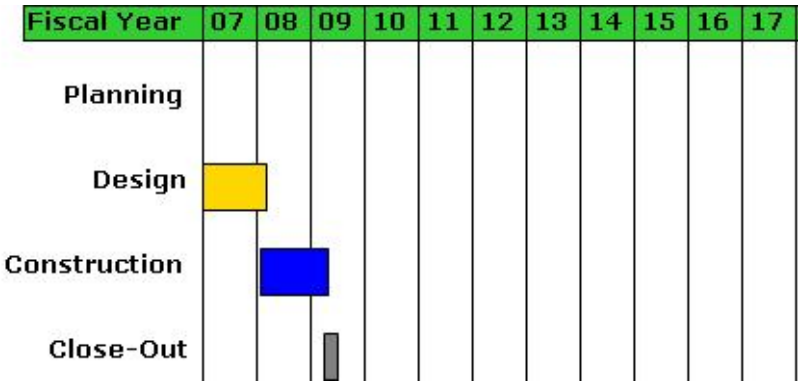
PROJECT LOCATION



PROJECT SCHEDULE

April 2002 to December 2008

Planning Phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Kirk Ditch Improvements	379	0	1,398	263	0	0	0	0	2,040
with inflation	379	0	1,398	271	0	0	0	0	2,048

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Kirk Ditch Improvements	379	0	0	1,398	271	0	0	0	0	2,048

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,048
Other Funding Source	0
Total	2,048

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $10,000 per year.

USEFUL LIFE: 50 Years

Project	Kirk Diversion Dam Improvements
Program	Water Supply – Transmission
Priority No.	71
Project No.	92534003
District Contact	Michael Hamer mhamer@valleywater.org

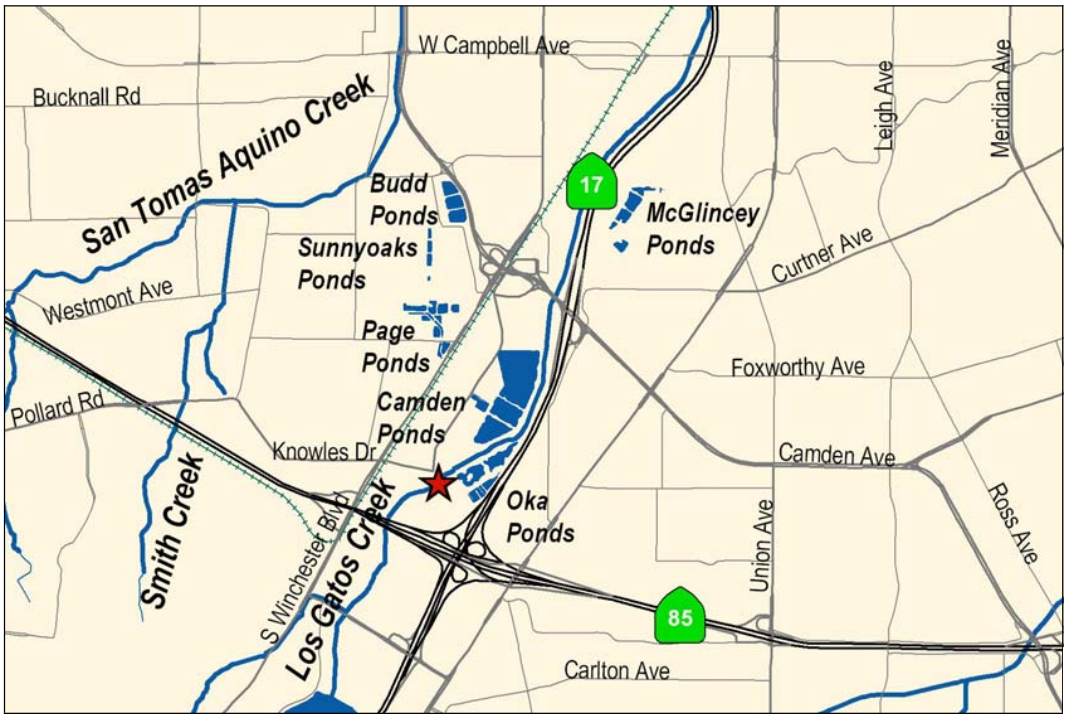
Kirk Dam on Los Gatos Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to Kirk Diversion Dam on Los Gatos Creek approximately 4,000 feet downstream of Lark Avenue, adjacent to the intersection of Knowles Drive and Dell Avenue, to accomplish the following objectives:

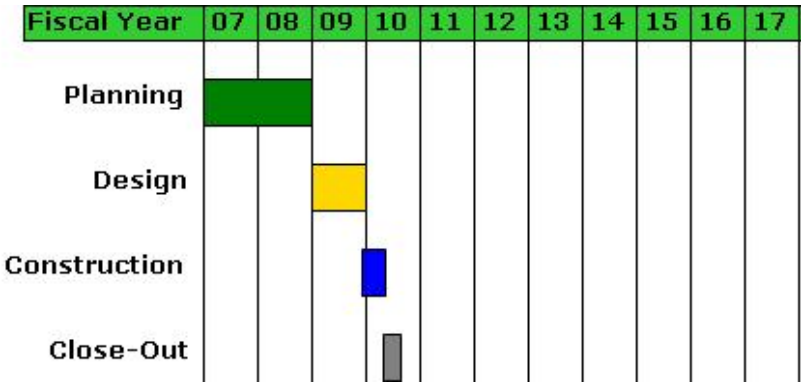
- Preserve existing water rights.
- Reduce Flood Risk. The existing flashboard system cannot be removed during storm events or emergency situations.
- Improve staff safety by minimizing exposure of staff to a potentially hazardous environment.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2006 to February 2010



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Kirk Diversion Dam Improvements	0	0	310	1,446	413	0	0	0	2,169
with inflation	0	0	310	1,693	438	0	0	0	2,441

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Kirk Diversion Dam Improvements	0	313	313	0	1,690	438	0	0	0	2,441

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	2,441
Other Funding Source	0
Total	2,441

OPERATING COST IMPACTS
Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 50+ Years

Project	**Kirk Diversion Fish Screen**
Program	Water Supply – Transmission
Priority No.	58
Project No.	92534004
District Contact	Michael Hamer mhamer@valleywater.org

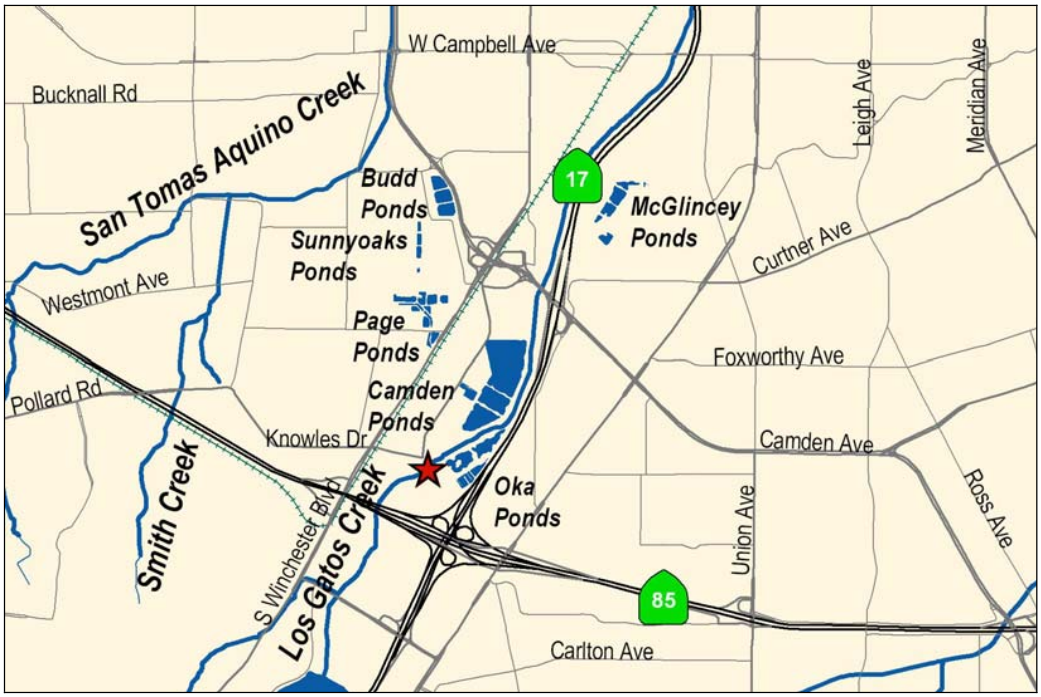
Proposed Kirk Diversion fish screen to be installed behind the existing trash rack

PROJECT DESCRIPTION

This project plans, designs, and constructs a fish screen at Kirk Diversion, which is located just upstream of Kirk Diversion Dam on the east side of Los Gatos Creek, to accomplish the following objectives:

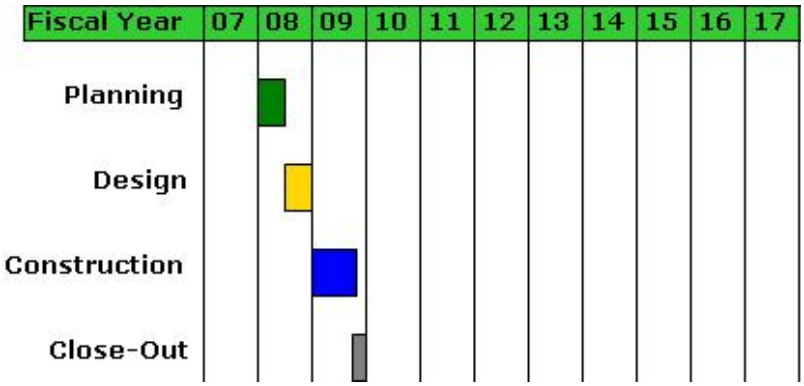
- Reduce entrainment of aquatic life forms into the Kirk and Page Ditches.
- Reduce impacts to aquatic life during maintenance activities such as draining of the recharge ponds.
- Perform operations and maintenance in a more environmentally sensitive manner.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2007 to June 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Kirk Diversion Fish Screen	0	0	224	988	0	0	0	0	1,212
with inflation	0	0	224	1,151	0	0	0	0	1,375

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Kirk Diversion Fish Screen	0	0	0	224	1,151	0	0	0	0	1,375

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,375
Other Funding Source	0
Total	1,375

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $5,000 per year.

USEFUL LIFE: 30 Years

Project	Main Avenue Pipeline Restoration
Program	Water Supply – Transmission
Priority No.	33
Project No.	92564002
District Contact	Michael Hamer mhamer@valleywater.org

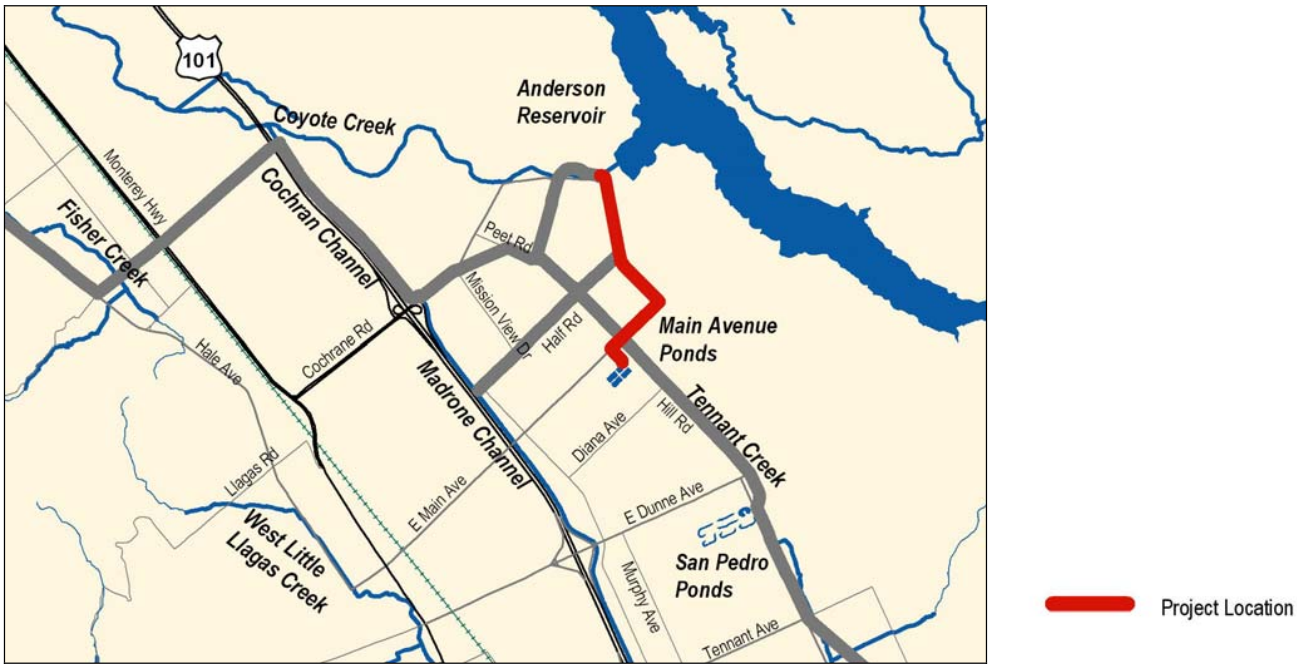
Looking west along East Main Avenue, the pipeline runs under the shoulder of the road.

PROJECT DESCRIPTION

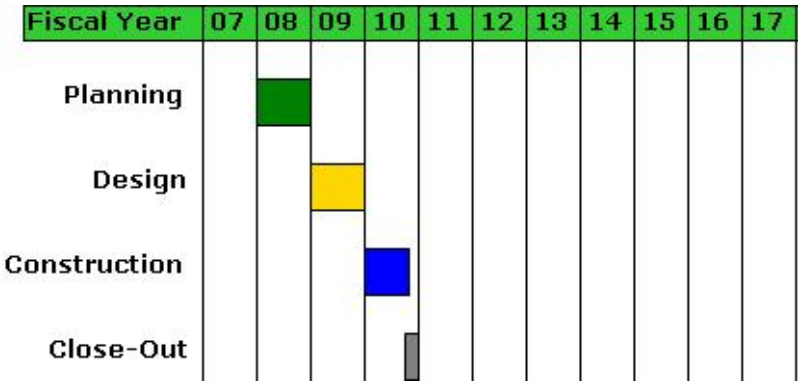
This project plans, designs, and constructs improvements on the full length of the Main Avenue pipeline to accomplish the following objectives:

- Provide the means to utilize another reliable water source, (e.g. Anderson Reservoir) to supply water to the Main Avenue Ponds and the Madrone Channel.
- Allow for greater flows to the Main Avenue Ponds and the Madrone Pipeline.
- Maximize imported water flows to the treatment plants.

PROJECT LOCATION



PROJECT SCHEDULE
July 2007 to June 2010



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Main Avenue Pipeline Replacement	0	0	918	1,112	5,100	0	0	0	7,130
with inflation	0	0	918	1,145	6,360	0	0	0	8,424

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Main Avenue Pipeline Replacement	0	0	0	918	1,145	6,360	0	0	0	8,424

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	8,424
Other Funding Source	0
Total	8,424

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 40 Years

Project	**Page Desilting System Improvements**
Program	Water Supply – Transmission
Priority No.	32
Project No.	92C40194
District Contact	Michael Hamer mhamer@valleywater.org

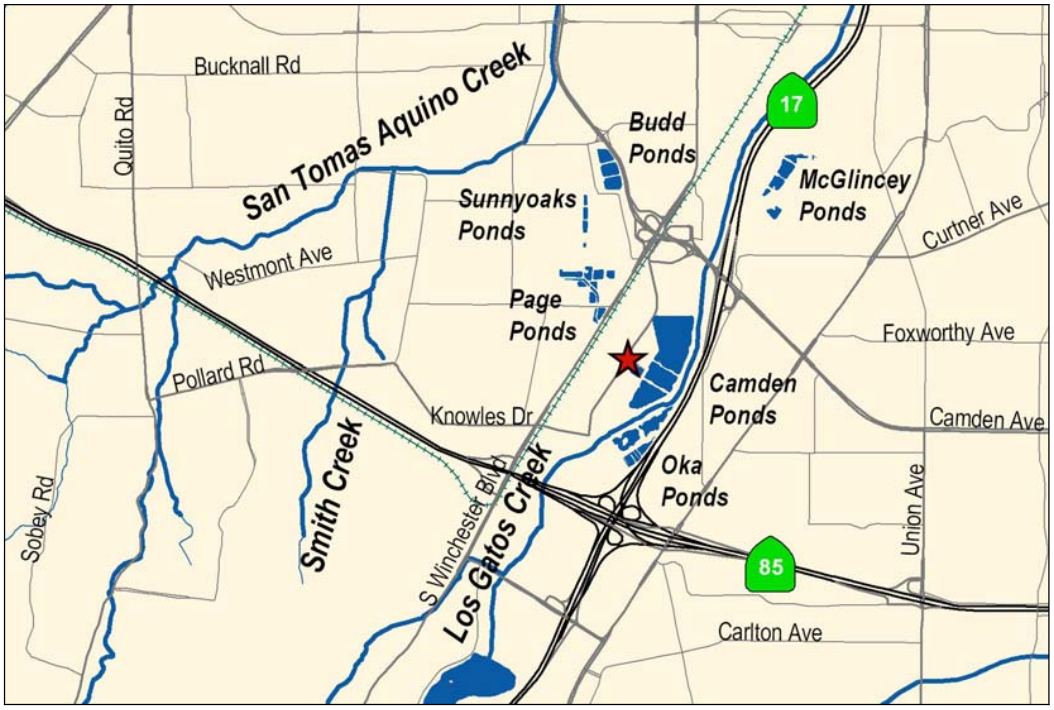
Page Desilting System Weir, adjacent to the Camden Avenue Recharge Ponds

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Page Desilting System, adjacent to the Camden Avenue Recharge Ponds, to accomplish the following objectives:

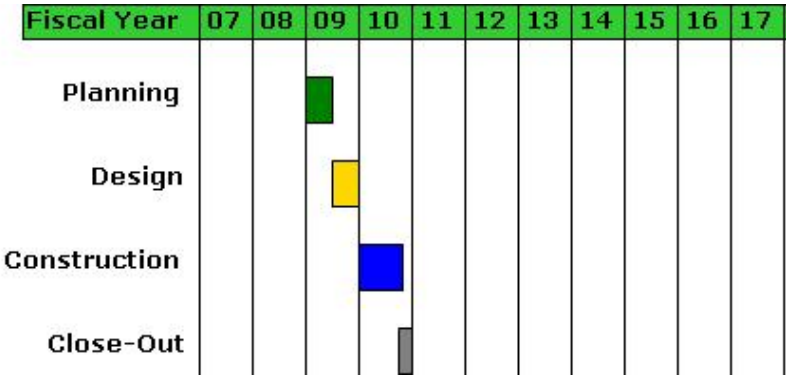
- Modify existing weirs to increase the discharge capacity from 25 cfs to 36 cfs to increase annual yield by 300 acre feet per year.
- Lower the operating levels of the detention basin to 6 inches below the current level, if possible.
- Increase the District's capacity to exercise water rights.
- Reduce operating risks.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2008 to June 2010



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Page Desilting System Improvements	0	0	0	427	654	0	0	0	1,081
with inflation	0	0	0	440	815	0	0	0	1,254

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Page Desilting System Improvements	0	0	0	0	440	815	0	0	0	1,254

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,254
Other Funding Source	0
Total	1,254

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 50+ Years

Project	**Penitencia Fish Facilities Modifications**
Program	Water Supply – Transmission
Priority No.	37
Project No.	92C40239
District Contact	Michael Hamer mhamer@valleywater.org

Noble Diversion and fish ladder on Penitencia Creek

PROJECT DESCRIPTION

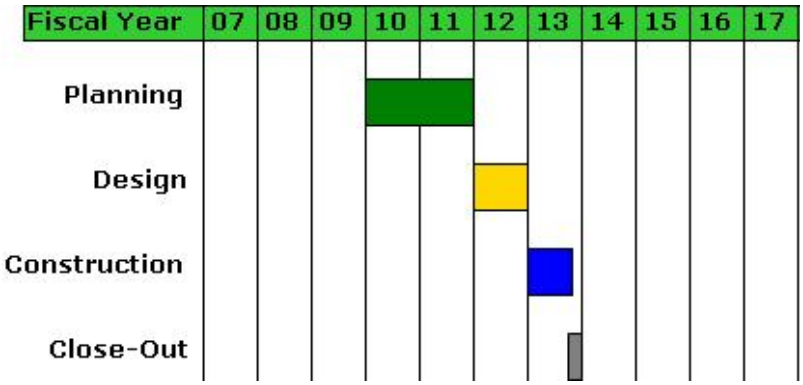
This project plans, designs, and constructs improvements on Penitencia Creek at the fish facilities located near the Robert W. Gross Ponds, Noble Avenue Diversion, and Mabury Diversion to accomplish the following objectives:

- Prevent exotic species that populate the Robert W. Gross Ponds from being introduced into Penitencia Creek.
- Develop water supplies and exercise water rights on Upper Penitencia Creek at the Noble Avenue and Mabury Diversions.

PROJECT LOCATION

Project Location

PROJECT SCHEDULE
July 2009 to June 2013



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Penitencia Fish Facility Modifications	0	0	0	0	267	212	160	680	1,319
with inflation	0	0	0	0	283	232	180	912	1,607

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Penitencia Fish Facility Modifications	0	0	0	0	0	283	232	180	912	1,607

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,607
Other Funding Source	0
Total	1,607

OPERATING COST IMPACTS
The completion of this project is anticipated to decrease operating costs by approximately $25,000 per year.

USEFUL LIFE: 20 Years

Project	San Francisco Water Department Intertie
Program	Water Supply – Transmission
Priority No.	32
Project No.	94194001
District Contact	Gary Kawaoka gkawaoka@valleywater.org

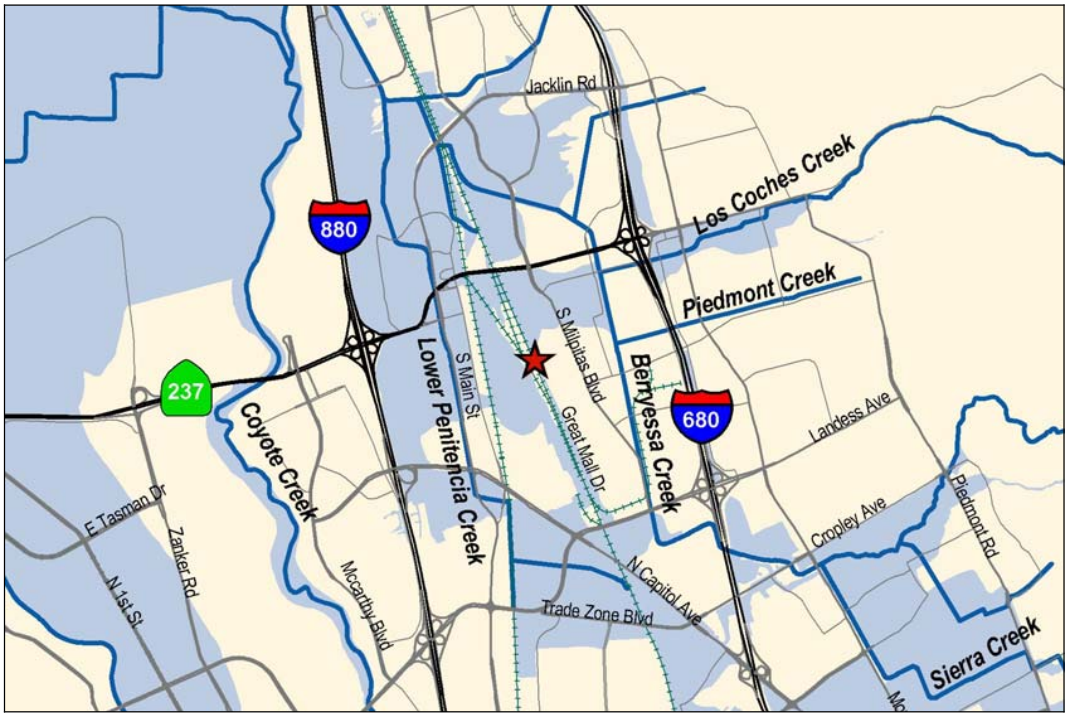
Interior of Intertie Pump Station

PROJECT DESCRIPTION

This project plans, designs and constructs a pump station, approximately 800 feet of 42-inch diameter connecting piping, chemical facilities for water quality adjustments and appurtenances to provide a connection between the Milpitas Pipeline and San Francisco Water Department's Bay Division Pipelines 3 and 4 to enable the exchange of treated water between the two agencies in the event of a major facility failure or other outage in either system, both planned and unplanned.

This project is led by San Francisco Water Department under a cost-share agreement.

PROJECT LOCATION

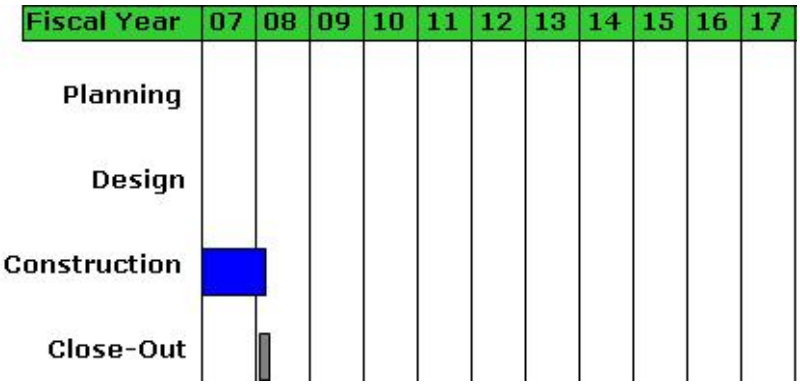


Project Location

PROJECT SCHEDULE

January 1990 to September 2007

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
San Francisco Water Department Intertie	3,254	20	309	0	0	0	0	0	3,583
with inflation	3,254	20	309	0	0	0	0	0	3,583

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
San Francisco Water Department Intertie	3,654	0	380	0	0	0	0	0	0	3,654

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007. The total planned expenditure is $71,000 less than the available funding. Unspent budget will roll to fund reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,654
Other Funding Source	0
Total	**3,654**
San Francisco Water Department	3,600

Costs shared equally, except for chemical treatment systems

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $22,500 per year.

USEFUL LIFE: 35+ Years

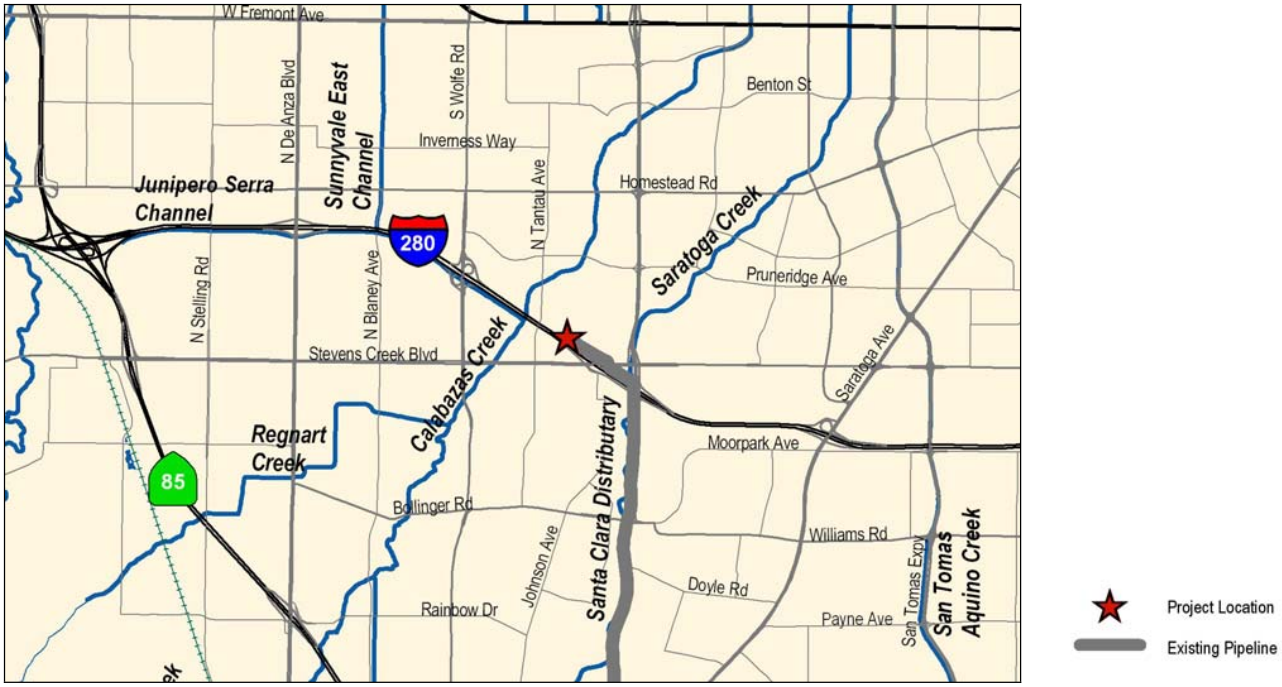
Project	Santa Clara Distributary Turnout
Program	Water Supply – Transmission
Priority No.	34
Project No.	94554002
District Contact	Michael Hamer mhamer@valleywater.org

A second turnout will be constructed near Santa Clara's current turnout, which is shown here.

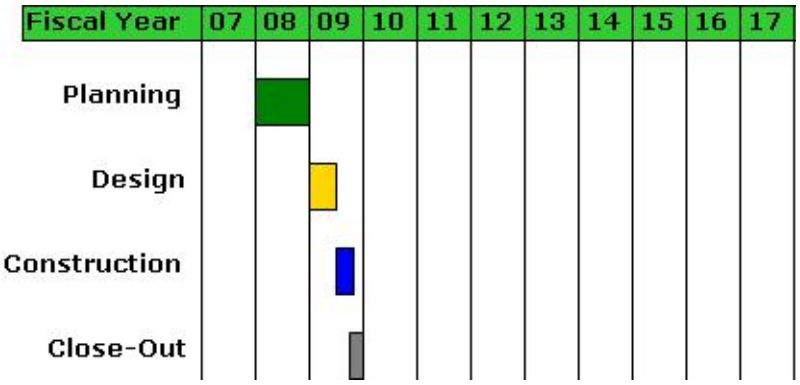
PROJECT DESCRIPTION

This project plans, designs, and constructs a second turnout on the Santa Clara Distributary, near the existing turnout, which is located at the terminus of the Distributary, near Interstate 280 and north of the Stevens Creek Boulevard crossing to reduce discharge velocities from the existing Santa Clara Distributary turnout to acceptable levels.

PROJECT LOCATION



PROJECT SCHEDULE
July 2007 to June 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Santa Clara Distributary Turnout	0	0	98	989	0	0	0	0	1,087
with inflation	0	0	98	1,117	0	0	0	0	1,215

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Santa Clara Distributary Turnout	0	0	0	98	1,117	0	0	0	0	1,215

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,215
Other Funding Source	0
Total	1,215

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 40 Years

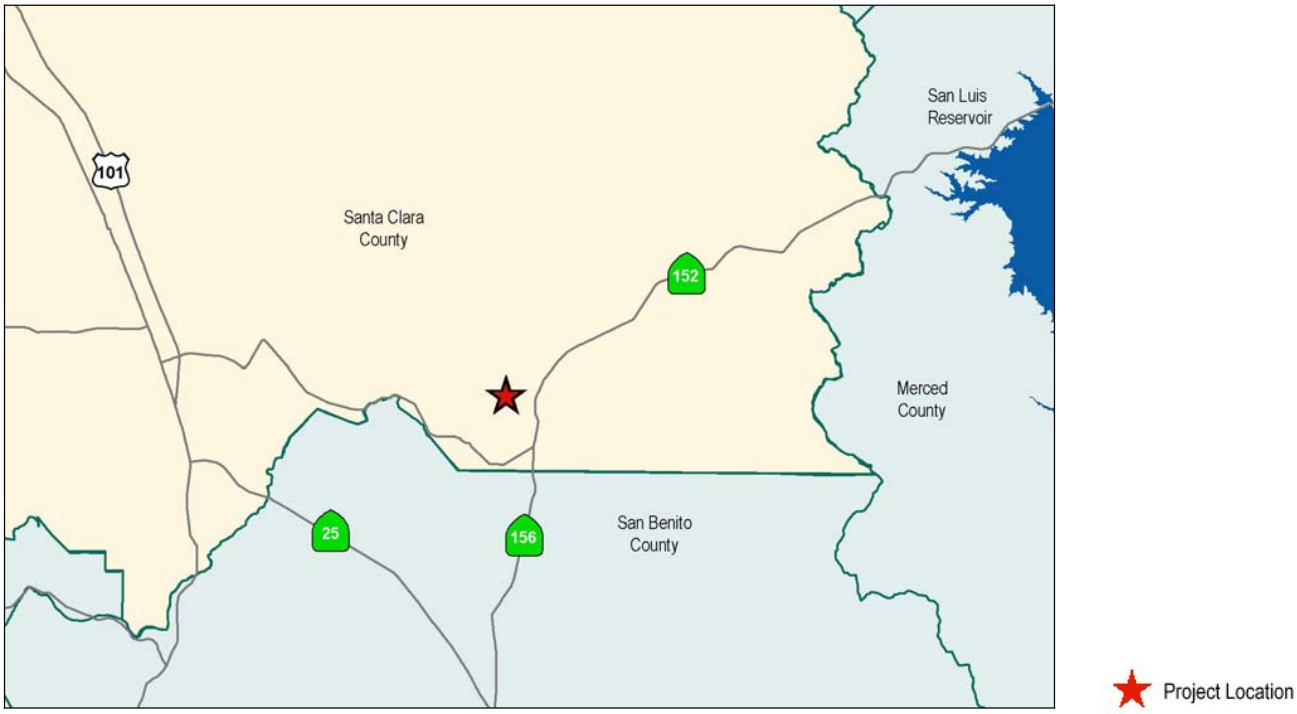
Project	Santa Clara Tunnel Landslide Repair
Program	Water Supply – Transmission
Priority No.	44
Project No.	91224003
District Contact	Michael Hamer mhamer@valleywater.org

A southeasterly view of the landslide

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to repair the landslide north of the Santa Clara Conduit, adjacent to the Santa Clara Tunnel's East Portal, to prevent damage to the Santa Clara Conduit resulting from the landslide.

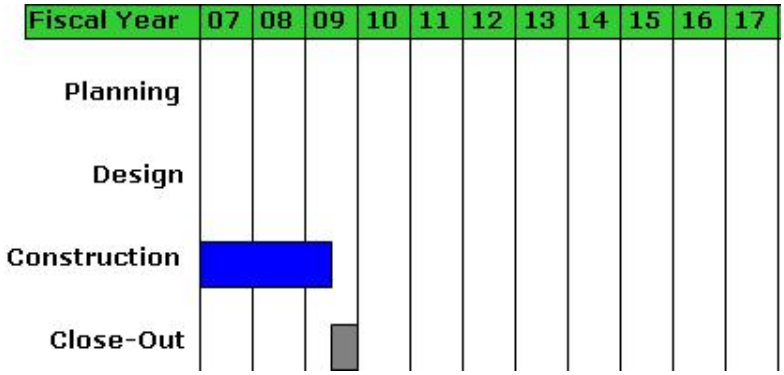
PROJECT LOCATION



PROJECT SCHEDULE

April 1998 to June 2009

Planning phase is complete.
Design phase is complete.
Construction phase includes 5 years of plant establishment monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Santa Clara Tunnel Landslide Repair	4,440	28	28	28	0	0	0	0	4,524
with inflation	4,440	28	28	29	0	0	0	0	4,525

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Santa Clara Tunnel Landslide Repair	4,442	71	45	0	12	0	0	0	0	4,525

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,525
Other Funding Source	0
Total	**4,525**

OPERATING COST IMPACTS

No operating impacts are anticipated from the construction of this project.

USEFUL LIFE: Indefinite

Project	Santa Clara Valley Recharge Ponds
Program	Water Supply – Transmission
Priority No.	49
Project No.	92C40201
District Contact	Michael Hamer mhamer@valleywater.org

This project constructs recharge facilities similar to this existing recharge pond in North County.

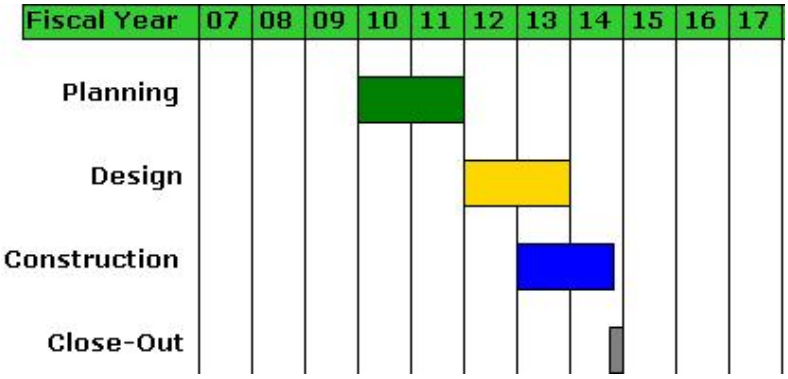
PROJECT DESCRIPTION

This project plans, designs, and constructs groundwater recharge facilities in northern Santa Clara County to recharge an additional 3,900 acre feet per year into the groundwater basin.

PROJECT LOCATION

Sites for future recharge ponds have not been identified

PROJECT SCHEDULE
July 2009 to June 2014



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Santa Clara Valley Recharge Ponds	0	0	0	0	321	321	6,151	12,965	19,758
with inflation	0	0	0	0	341	351	6,923	16,153	23,767

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Santa Clara Valley Recharge Ponds	0	0	0	0	0	341	351	6,923	16,153	23,767

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	23,767
Other Funding Source	0
Total	23,767

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $25,000 per year.

USEFUL LIFE: 50+ Years

Project	**South County Pipeline Right of Way Acquisition**
Program	Water Supply – Transmission
Priority No.	29
Project No.	92C40106
District Contact	Michael Hamer mhamer@valleywater.org

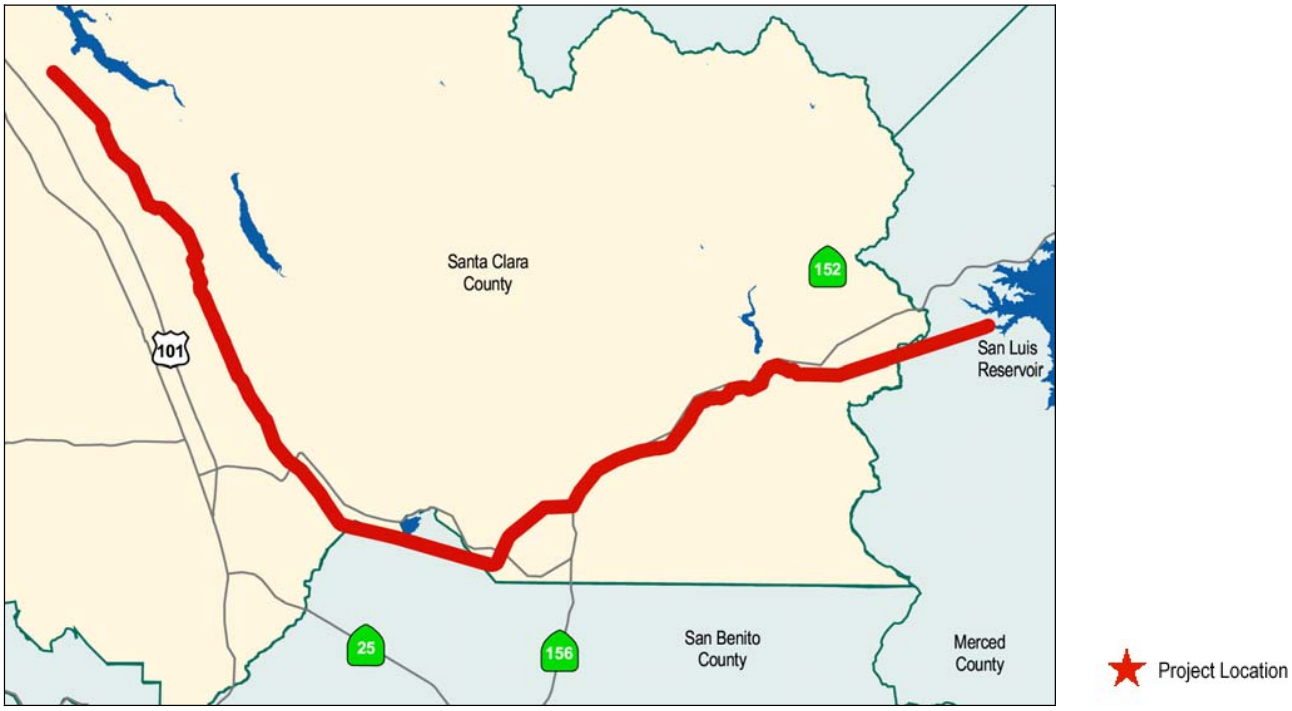
Access to much of the San Felipe Division pipelines must currently be made through private property, due to a lack of easements, such as Bloomfield access at Vault 21-23.

PROJECT DESCRIPTION

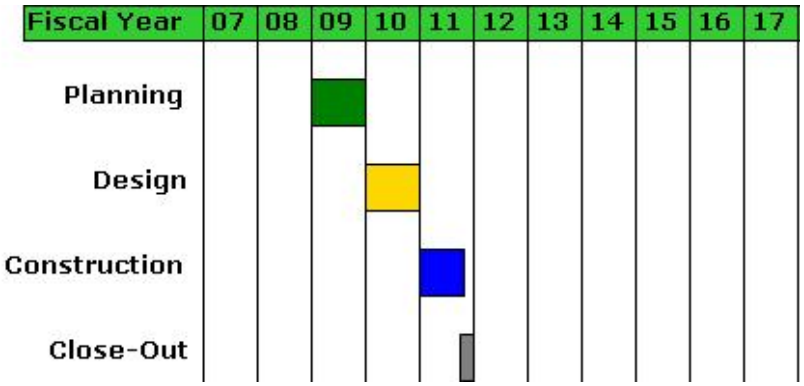
This project plans, designs, and constructs improvements related to the acquisition of right of way along the South County Pipeline to accomplish the following objectives:

- Provide unlimited access to District facilities.
- Reduce conflicts with local owners and improve response time for emergency repairs or operations.

PROJECT LOCATION



PROJECT SCHEDULE
July 2008 to June 2011



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
South County Pipeline Right of Way Acquisition	0	0	0	254	194	1,460	0	0	1,908
with inflation	0	0	0	262	206	1,595	0	0	2,063

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
South County Pipeline Right of Way Acquisition	0	0	0	0	262	206	1,595	0	0	2,063

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	2,063
Other Funding Source	0
Total	2,063

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $8,000 per year.

USEFUL LIFE: Not Applicable

Project	**Stevens Creek Diversion**
Program	Water Supply – Transmission
Priority No.	34
Project No.	92C40215
District Contact	Michael Hamer mhamer@valleywater.org

Stevens Creek at Stevens Creek Boulevard, where Stevens Creek Pipeline outfall is located

PROJECT DESCRIPTION

This project investigates alternatives for increasing groundwater recharge from the Stevens Creek Reservoir system, including the conveyance of water from Stevens Creek to other recharge facilities, to accomplish the following objectives:

- Increase local supply of water from Stevens Creek
- Increase the District's capacity to exercise water rights
- Meet critical dry period water supply shortage in Santa Clara County

The project is currently funded for the planning phase only. The scope, schedule, costs and funding sources for design and construction phases will be determined at the completion of the planning phase.

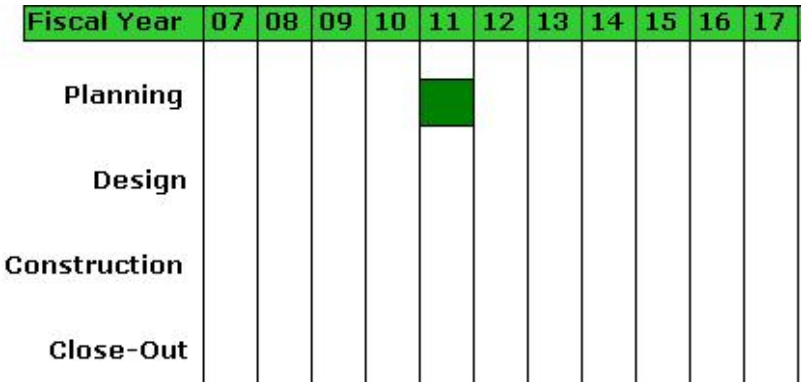
PROJECT LOCATION

Project Location

PROJECT SCHEDULE

July 2010 to June 2011

(Alternatives Analysis Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Stevens Creek Diversion	0	0	0	0	0	138	0	0	138
with inflation	0	0	0	0	0	151	0	0	151

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Stevens Creek Diversion	0	0	0	0	0	0	151	0	0	151

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	151
Other Funding Source	0
Total	151

OPERATING COST IMPACTS

Alternatives Analysis Only: No operating cost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: 50+ Years

Project	**Vasona Canal Improvement**
Program	Water Supply – Transmission
Priority No.	55
Project No.	92714001
District Contact	Michael Hamer mhamer@valleywater.org

Stevens Creek Pipeline intersects Vasona Canal near Pollard Road and Highway 85.

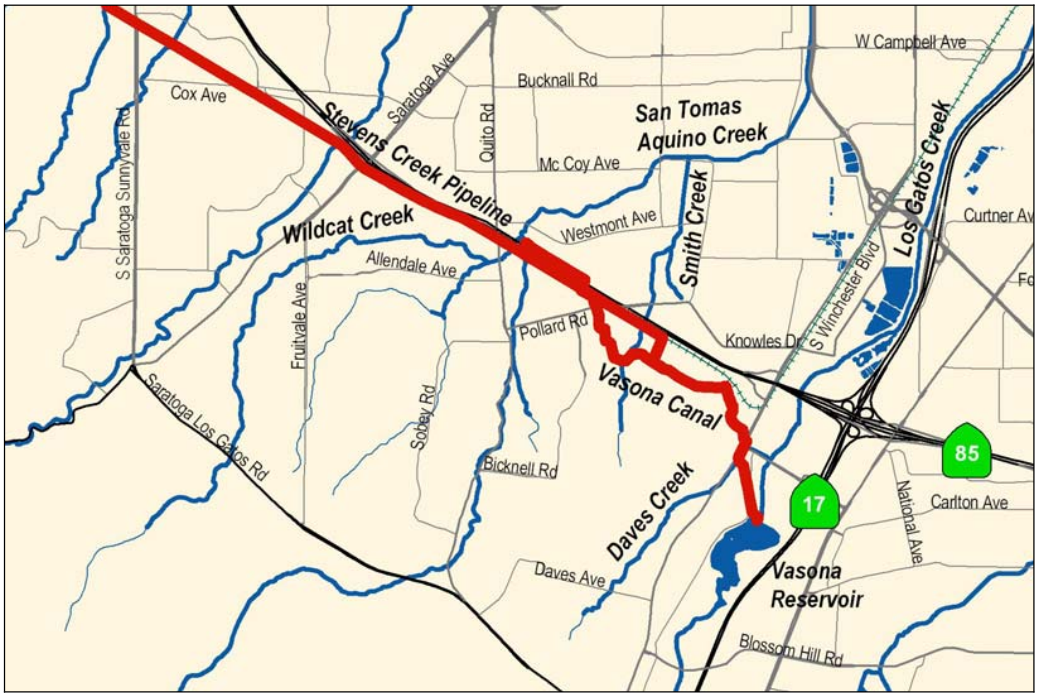
PROJECT DESCRIPTION

This project plans, designs, and constructs an alternative means of providing raw water to other creeks in the Stevens Creek watershed to accomplish the following objectives:

- Provide streamflow that meets the Department of Fish and Game minimum flow requirements.
- Ensure water reliability through 2010.
- Add system operational flexibility.
- Meet critical dry-period water supply shortage in Santa Clara County.
- Provide stream flow for fisheries habitat.

This project is funded for the planning phase only. The scope, schedule, costs and funding sources for design and construction phases will be determined at the completion of the planning phase.

PROJECT LOCATION

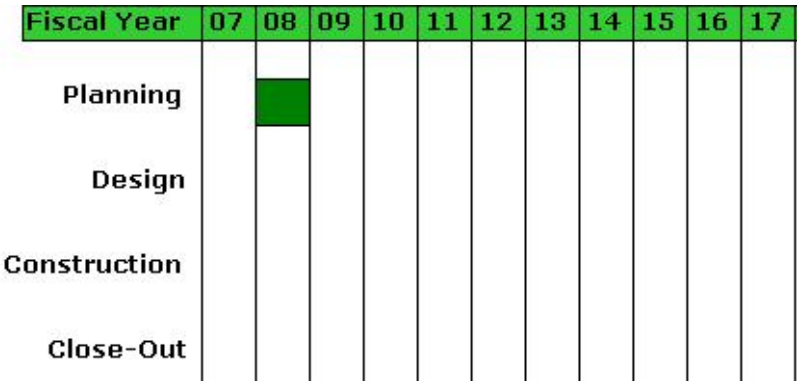


Project Location

PROJECT SCHEDULE

July 2007 to June 2008

(Planning Phase Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Vasona Canal Improvement	0	0	134	0	0	0	0	0	134
with inflation	0	0	134	0	0	0	0	0	134

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Vasona Canal Improvement	0	0	0	134	0	0	0	0	0	134

FUNDING SOURCES

(in thousands $)

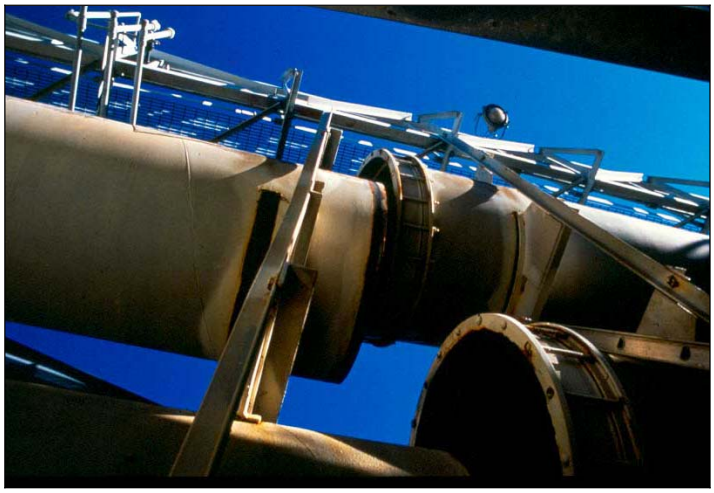
SCVWD Water Utility Enterprise Fund	134
Other Funding Source	0
Total	134

OPERATING COST IMPACTS

Operating cost impacts will be determined during the planning phase.

USEFUL LIFE: Not Available

Project	**Water Infrastructure Reliability Program**
Program	Water Supply – Transmission
Priority No.	68
Project No.	91764002S
District Contact	Sandy Oblonsky soblonsky@valleywater.org



Dislocated pipelines at Rinconada Water Treatment Plant clarifiers resulting from 1989 Loma Prieta earthquake.

PROJECT DESCRIPTION

This project will plan and implement improvements at the District's and United States Bureau of Reclamation's water supply facilities to accomplish the following objectives:

- Improve reliability and reduce vulnerability of Santa Clara County water supply facilities to natural and man-originated catastrophes.
- Establish an appropriate balance of level of service vs. cost/water rate impact.

This project includes three stages: Water Infrastructure Reliability Report with Recommendations (91764002), Phase I Implementation (91794017), and Phase 2 Implementation. The project report with recommendations is complete. The report recommended capital projects and operational improvements. Only the capital projects are included in the CIP.

Phase 1 Implementation includes a capital project to purchase and stockpile pipes to reduce outage periods after hazardous events.

Phase 2 Implementation includes capital projects related to the SCADA system, additional line valves, seismic retrofit of treatment plants and operations buildings, and east- and west-side well fields. Projects that are funded for Phase 2 Implementation are identified separately in the CIP. The scope, schedule, cost and funding sources for the east- and west-side well field projects are are not identified in the CIP.

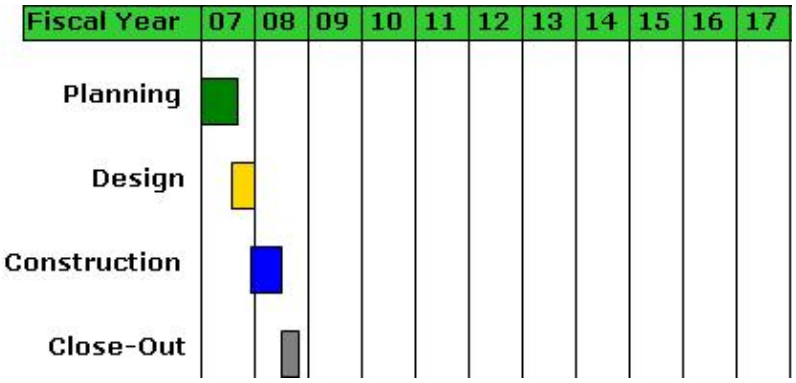
PROJECT LOCATION

No map is provided.

PROJECT SCHEDULE

March 2003 to April 2008

The project rep[ort with recommendations is complete. (Phase 1 Implementation Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Water Infrastructure Reliability Report	2,134	0	0	0	0	0	0	0	2,134
with inflation	2,134	0	0	0	0	0	0	0	2,134
Water Infrastructure Reliability (Phase 1 Implementation)	22	2,008	146	0	0	0	0		2,176
with inflation	22	2,008	146	0	0	0	0	0	2,176
TOTAL	2,156	2,008	146	0	0	0	0	0	4,310
with inflation	2,156	2,008	146	0	0	0	0	0	4,310

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Fund	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Water Infrastructure Reliability Report	2,134	0	0	0	0	0	0	0	0	2,134
Water Infrastructure Reliability (Phase 1 Implementation	2,033	90	93	53	0	0	0	0	0	2,176
TOTAL	4,167	90	93	53	0	0	0	0	0	4,310

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,310
Other Funding Source	0
Total	4,310

OPERATING COST IMPACTS

Completion of Phase 1 implementation is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

Treatment Facilities

- 3 Treatment Plants
- 19 Capital Projects

Treatment Facilities Project Pages

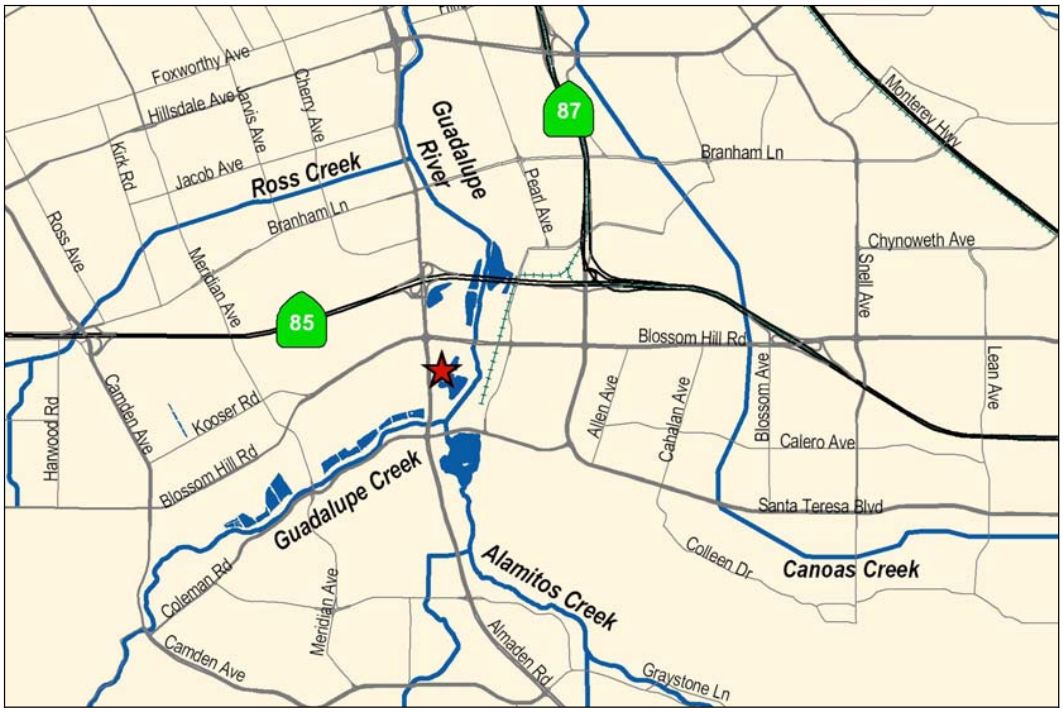
Project	**Almaden Campus Water Quality Laboratory**
Program	Water Supply – Treatment
Priority No.	71
Project No.	93404003
District Contact	Gary Kawaoka gkawaoka@valleywater.org

Rendering of future water quality laboratory

PROJECT DESCRIPTION

This project plans, designs, and constructs a new 18,400 square-foot water quality laboratory at the District's Almaden campus to meet the existing and increased workload resulting from new regulations and upgrades to the District's Penitencia and Santa Teresa Water Treatment Plants and the future upgrade to the Rinconada Water Treatment Plant.

PROJECT LOCATION

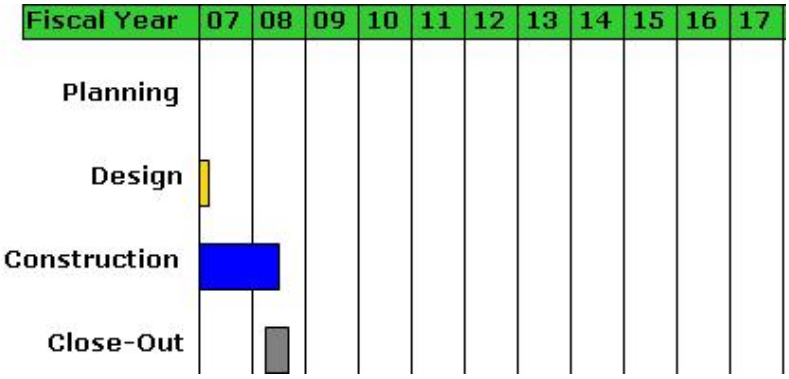


Project Location

PROJECT SCHEDULE

July 1995 to February 2008

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Almaden Campus Water Quality Laboratory	6,288	19,392	3,432	0	0	0	0	0	29,112
with inflation	6,288	19,392	3,432	0	0	0	0	0	29,112

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Almaden Campus Water Quality Laboratory	20,999	6,372	1,441	1,741	0	0	0	0	0	29,112

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	29,112
Other Funding Source	0
Total	29,112

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $263,000 per year.

USEFUL LIFE: 50+ Years

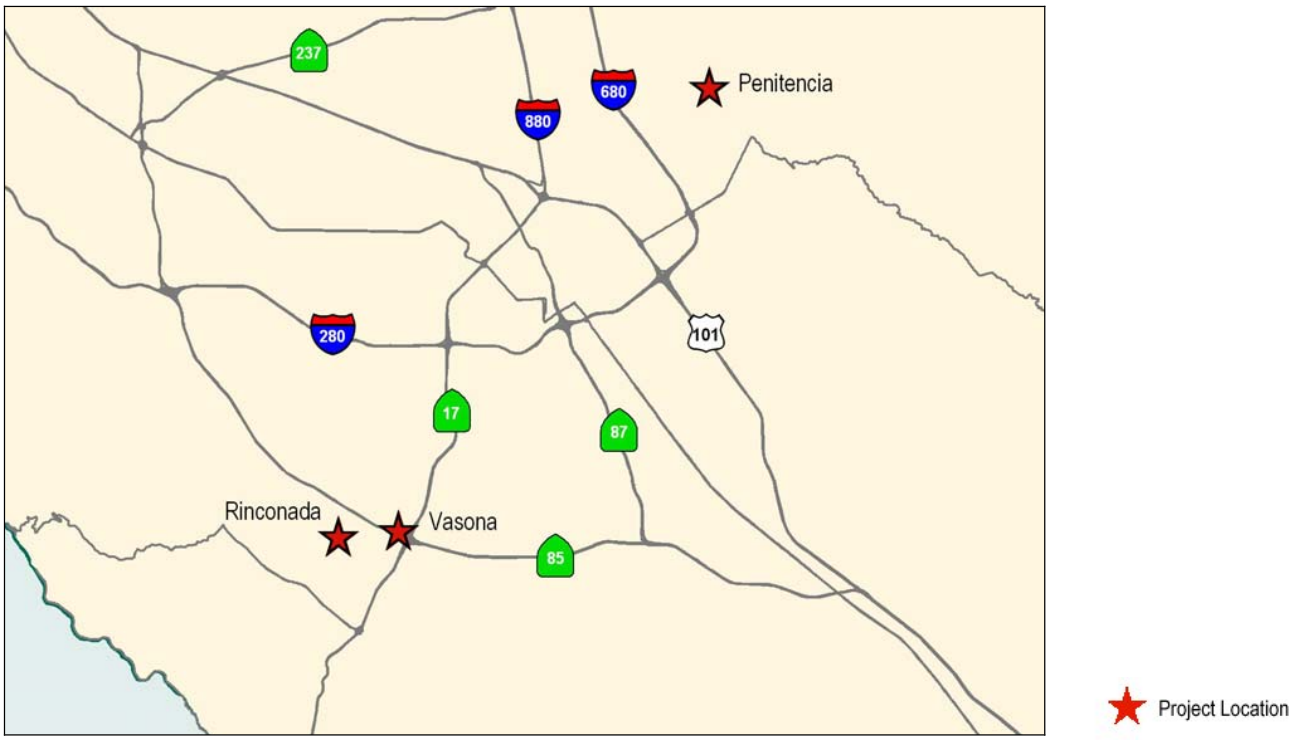
Project	IRP2 Seismic Study and Retrofit of WTP Operations Buildings
Program	Water Supply – Treatment
Priority No.	60
Project No.	93764003
District Contact	Sandy Oblonsky soblonsky@valleywater.org

The RWTP control building is one of four buildings that will be studied and retrofitted to meet safety requirements

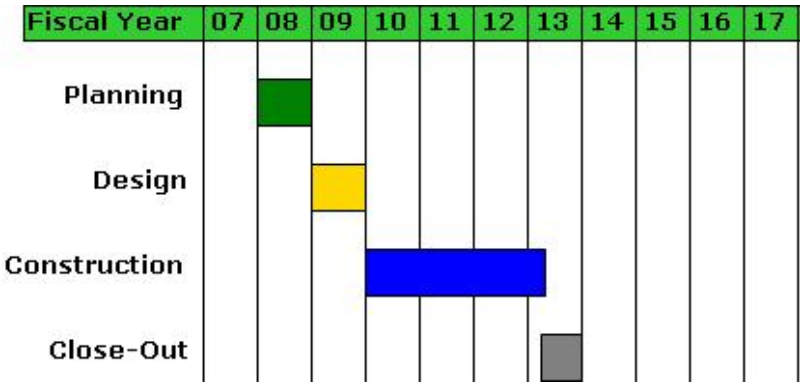
PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to operations buildings that house employees and were constructed prior to 1980, as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2) to ensure a healthy and safe work environment. Buildings that are of particular concern include control buildings at Rinconada and Penitencia Water Treatment Plants (WTP) and buildings at the Vasona Pump Station.

PROJECT LOCATION



PROJECT SCHEDULE
July 2007 to June 2013



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
IRP2 Seismic Study and Retrofit of WTP Operations Buildings	0	0	945	1,764	3,778	3,778	3,778	1,842	15,885
with inflation	0	0	945	1,817	4,721	4,988	4,816	2,334	19,621

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
IRP2 Seismic Study and Retrofit of WTP Operations Buildings	0	0	0	945	1,817	4,721	4,988	4,816	2,334	19,621

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	19,621
Other Funding Source	0
Total	19,621

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 50+ Years

Project	PWTP Backwash Pump Replacement
Program	Water Supply – Treatment
Priority No.	54
Project No.	93234036
District Contact	Michael Hamer mhamer@valleywater.org

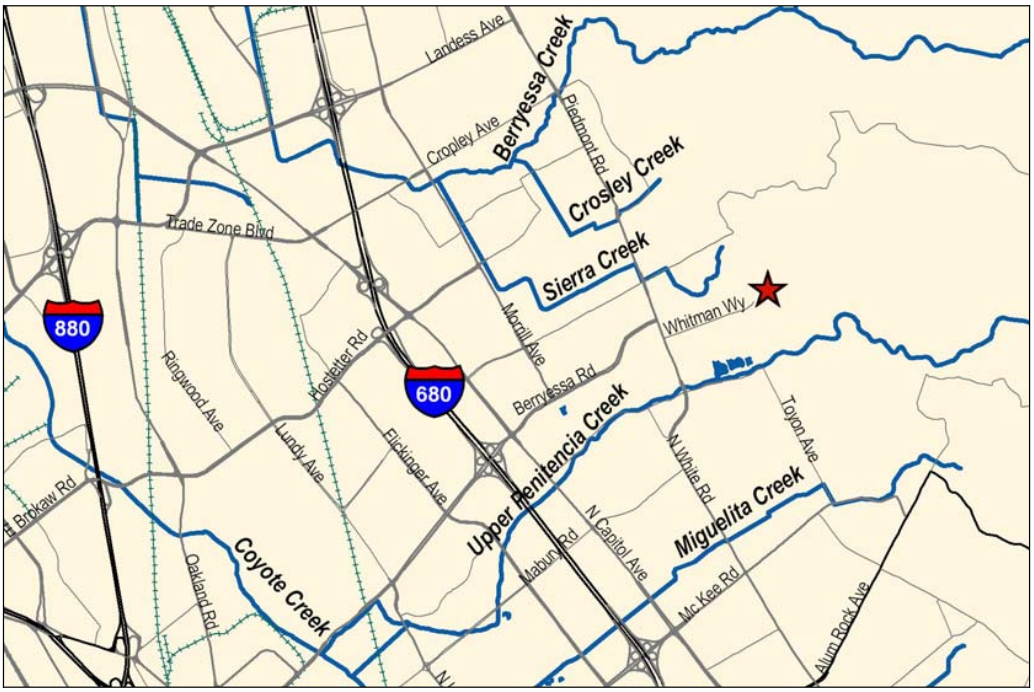
Existing backwash pump at Penitencia Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to replace the existing Penitencia Water Treatment Plant (PWTP) backwash pump to accomplish the following objectives:

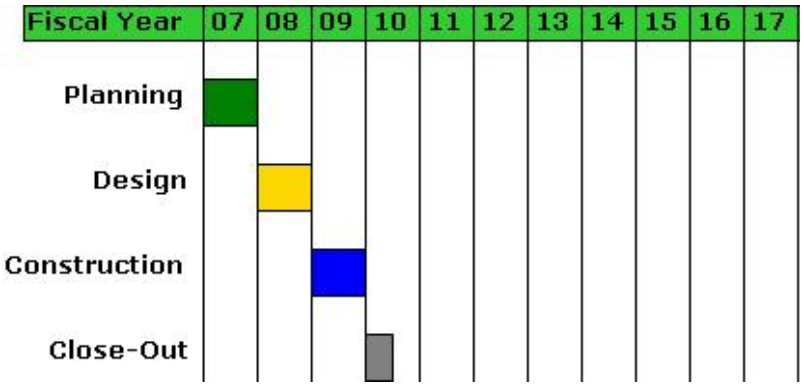
- Meet demands resulting from completion of Treated Water Improvement Project improvements.
- Ensure the reliability and integrity of the Utility's infrastructure.
- Facilitate or enhance the Utility's abilities to produce goods and deliver services.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2003 to December 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
PWTP Backwash Pump Replacement	52	55	325	592	31	0	0	0	1,055
with inflation	52	55	325	697	33	0	0	0	1,161

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
PWTP Backwash Pump Replacement	803	0	696	0	326	33	0	0	0	1,161

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,161
Other Funding Source	0
Total	1,161

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 15+ Years

Project	PWTP Chemical Systems Upgrade
Program	Water Supply – Treatment
Priority No.	48
Project No.	93234032
District Contact	Gary Kawaoka gkawaoka@valleywater.org

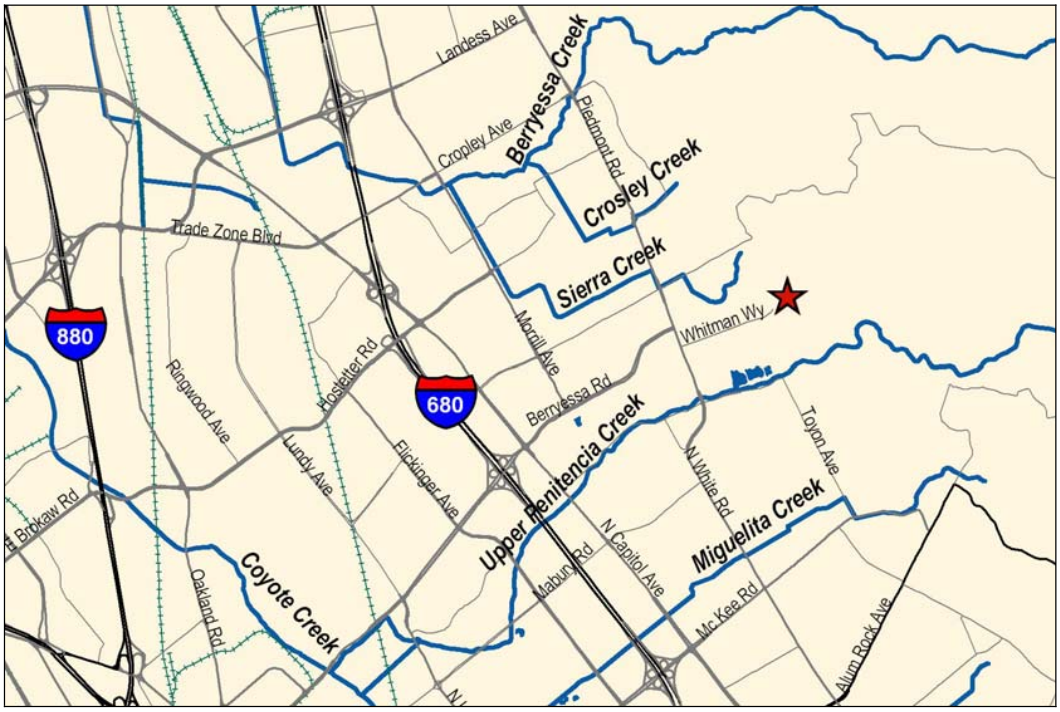
Caustic Soda Chemical Storage Tank at Penitencia Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) chemical systems to accomplish the following objectives:

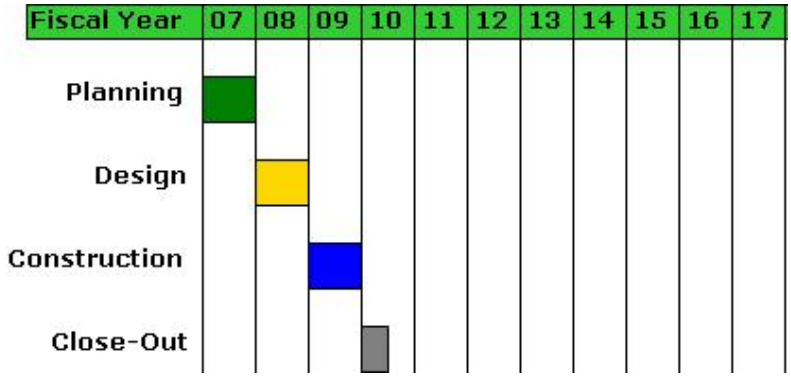
- Minimize zinc orthophosphate system breakdowns, thus improving operational redundancy and reliability.
- Provide a reliable corrosion control storage and feed system that will reduce the risk of chemical feed loss.
- Prevent contaminated waters from re-entering the plant process systems.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
October 2001 to December 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
PWTP Chemical Systems Upgrade	226	50	354	1,430	139	0	0	0	2,199
with inflation	226	50	354	1,682	147	0	0	0	2,459

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
PWTP Chemical Systems Upgrade	506	0	230	124	1,682	147	0	0	0	2,459

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	2,459
Other Funding Source	0
Total	2,459

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $5,000 per year.

USEFUL LIFE: 15+ Years

Project	PWTP Improvement, Stage 2
Program	Water Supply – Treatment
Priority No.	84
Project No.	93234028
District Contact	Gary Kawaoka gkawaoka@valleywater.org

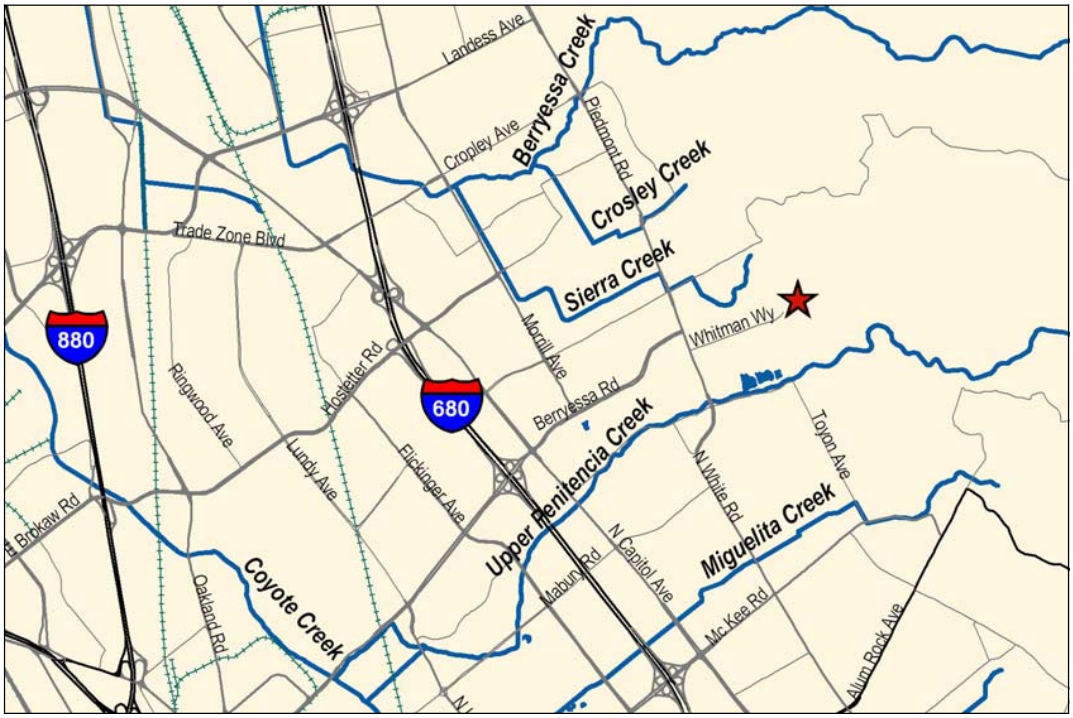
Ozone gas is produced in the ozone generation building and is bubbled through the water in the concrete contactor structure to provide primary drinking water disinfection.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Improve treated water quality and ensure all applicable water quality regulations are met or exceeded.
- Improve the reliability of Penitencia Water Treatment Plant by upgrading existing facilities to meet current seismic and landslide standards.

PROJECT LOCATION

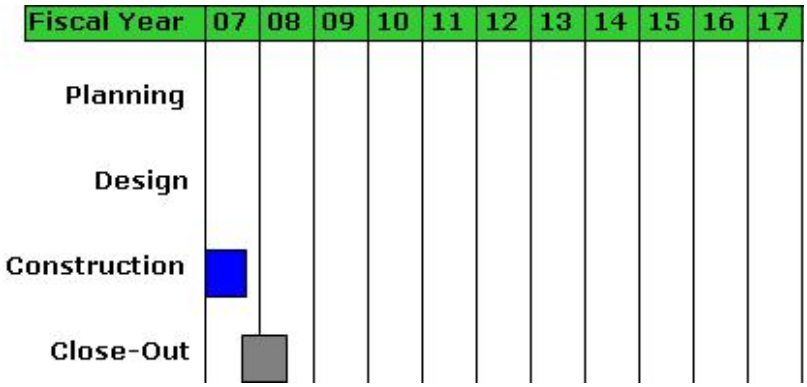


Project Location

PROJECT SCHEDULE

July 1991 to December 2007

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
PWTP Improvement, Stage 2	67,544	1,127	446	0	0	0	0	0	69,117
with inflation	67,544	1,127	446	0	0	0	0	0	69,117

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
PWTP Improvement, Stage 2	68,704	127	160	286	0	0	0	0	0	69,117

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	69,117
Other Funding Source	0
Total	69,117

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $691,000 per year.

USEFUL LIFE: Mechanical Elements – 15+ Years; Structural Elements – 50+ Years

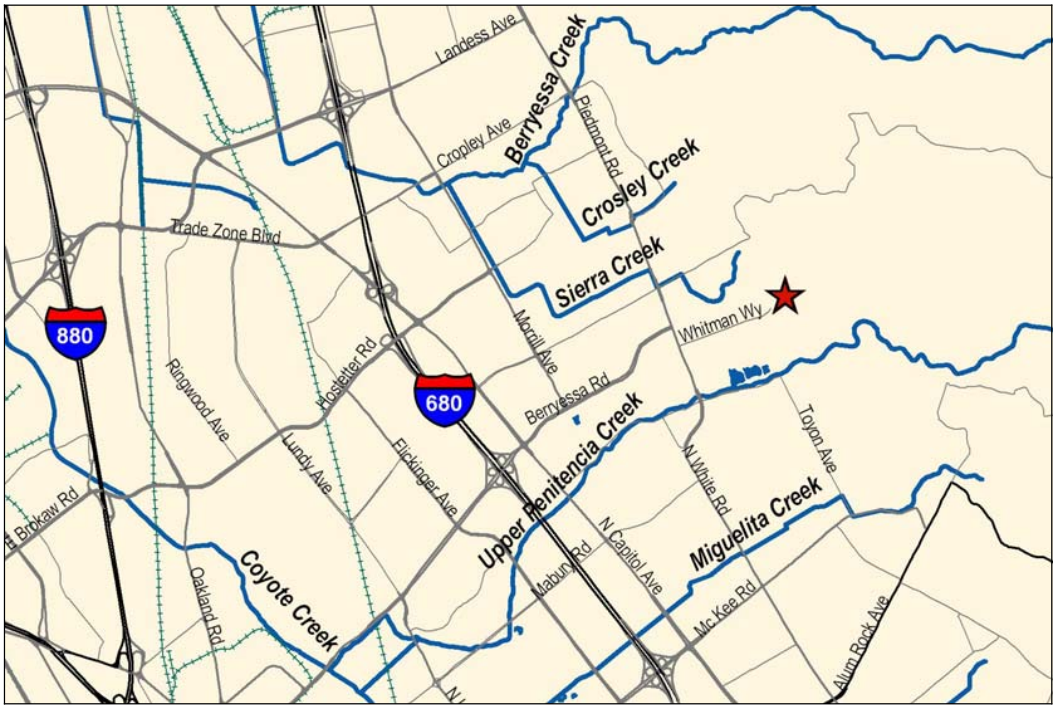
Project	PWTP Maintenance Building
Program	Water Supply – Treatment
Priority No.	77
Project No.	93234031
District Contact	Gary Kawaoka gkawaoka@valleywater.org

Temporary storage facilities at the Penitencia Water Treatment Plant

PROJECT DESCRIPTION

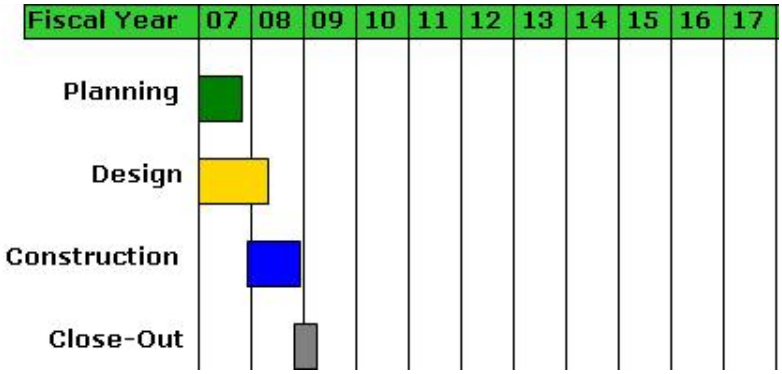
This project plans, designs, and constructs a new maintenance building at Penitencia Water Treatment Plant to provide adequate workshop space and storage areas to meet the needs of the maintenance personnel at the plant.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2001 to September 2008



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
PWTP Maintenance Building	1,274	225	5,050	130	0	0	0	0	6,679
with inflation	1,274	225	5,050	134	0	0	0	0	6,683

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
PWTP Maintenance Building	1,346	632	479	4,571	134	0	0	0	0	6,683

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	6,683
Other Funding Source	0
Total	6,683

OPERATING COST IMPACTS
Completion of the project is anticipated to increase operating expenditure by $15,000 per year.

USEFUL LIFE: 50+ Years

Project	PWTP Standby Power Upgrade
Program	Water Supply – Treatment
Priority No.	68
Project No.	93234033
District Contact	Ray Yep ryep@valleywater.org

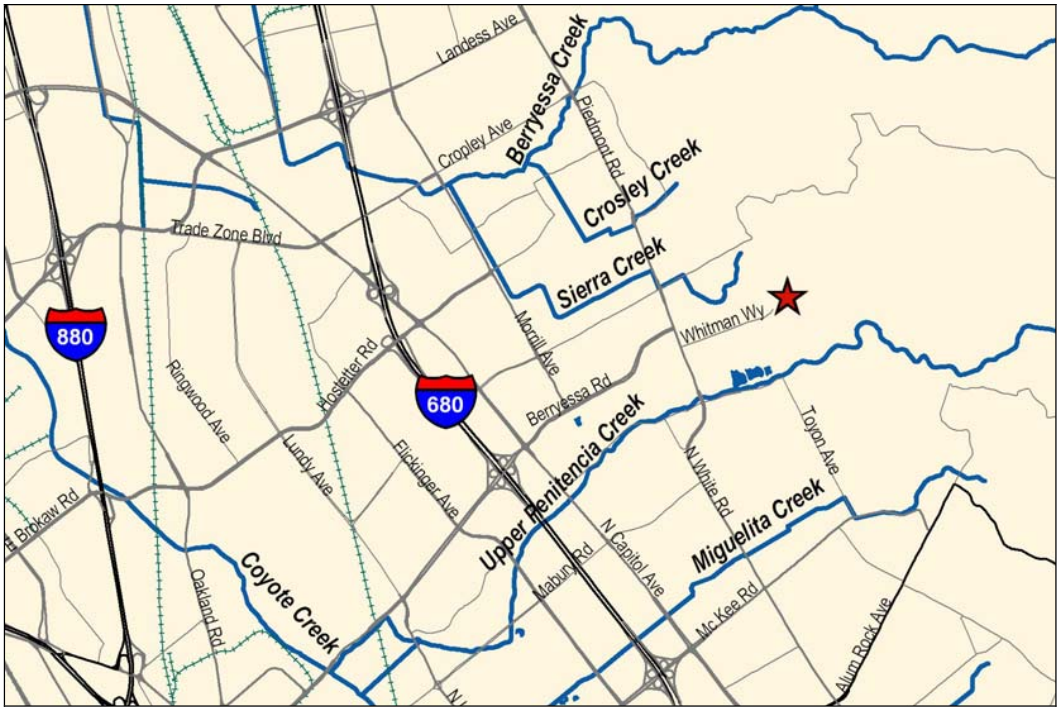
Existing diesel powered generator

PROJECT DESCRIPTION

This project plans, designs, and constructs a new backup generator at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Provide all necessary modification including replacement of the existing standby generator to provide reliable and adequate standby power during utility power loss.
- Meet all code requirements necessary to maintain adequate plant operations and assure reliable water delivery.

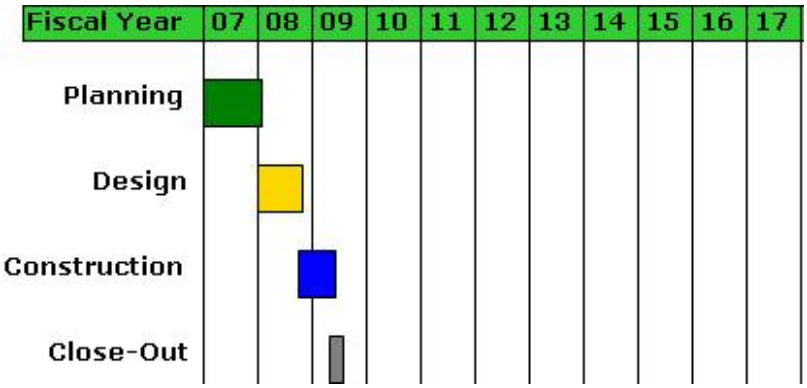
PROJECT LOCATION



Project Location

PROJECT SCHEDULE

January 2003 to January 2009



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
PWTP Standby Power Upgrade	457	69	1,511	316	0	0	0	0	2,353
with inflation	457	69	1,511	325	0	0	0	0	2,362

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
PWTP Standby Power Upgrade	2,336	0	1,810	0	26	0	0	0	0	2,362

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,362
Other Funding Source	0
Total	**2,362**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 15+ Years

Project	**RWTP Backwash Pump ASD Replacement**
Program	Water Supply – Treatment
Priority No.	30
Project No.	93294047
District Contact	Michael Hamer mhamer@valleywater.org

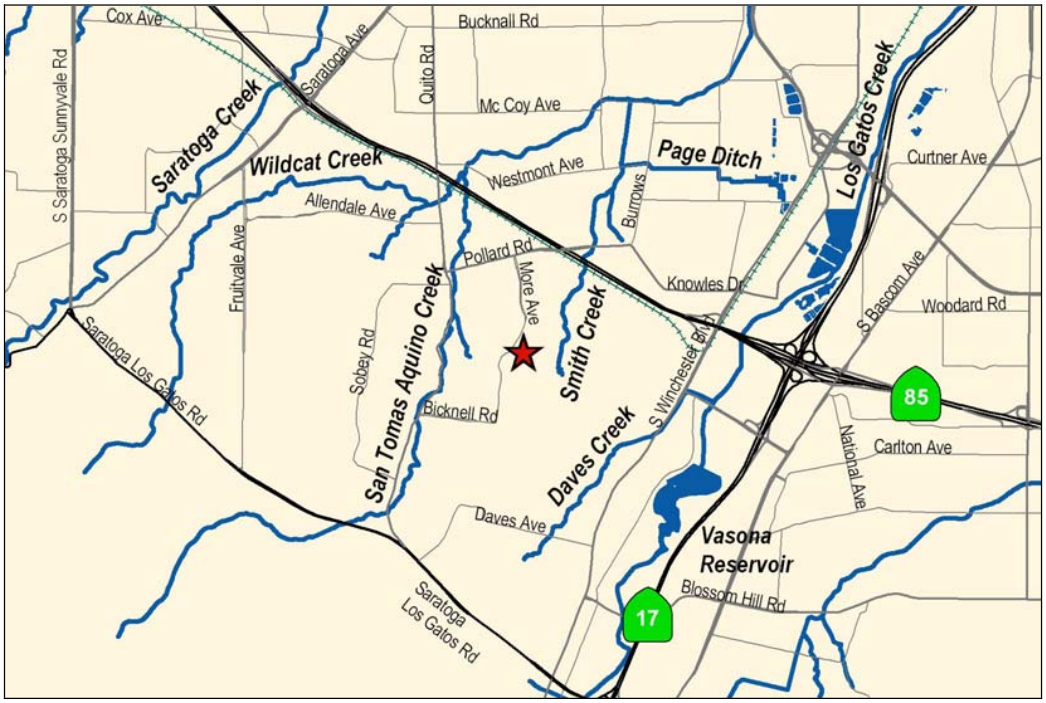
Existing adjustable speed drive (ASD) to be replaced

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP) to replace unreliable equipment that is difficult to maintain and accomplish the following objectives:

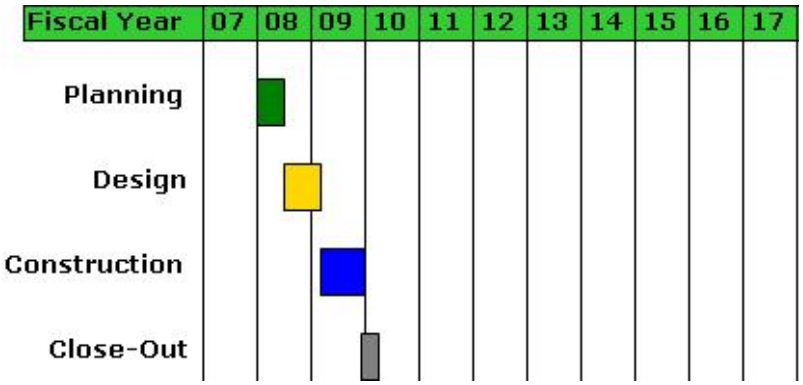
- Improve plant reliability.
- Avoid high-flow season plant shutdown caused by backwash pump adjustable speed drives (ASD) failure.
- Reduce ASD maintenance costs and ASD down time.

PROJECT LOCATION



★ Project Location

PROJECT SCHEDULE
July 2007 to September 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Backwash Pump ASD Replacement	0	0	161	572	30	0	0	0	763
with inflation	0	0	161	686	32	0	0	0	879

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Backwash Pump ASD Replacement	0	0	0	161	686	32	0	0	0	879

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	879
Other Funding Source	0
Total	879

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 15 Years

Project	RWTP Chemical Storage Structure Seismic Upgrades
Program	Water Supply – Treatment
Priority No.	33
Project No.	93C40085
District Contact	Michael Hamer mhamer@valleywater.org

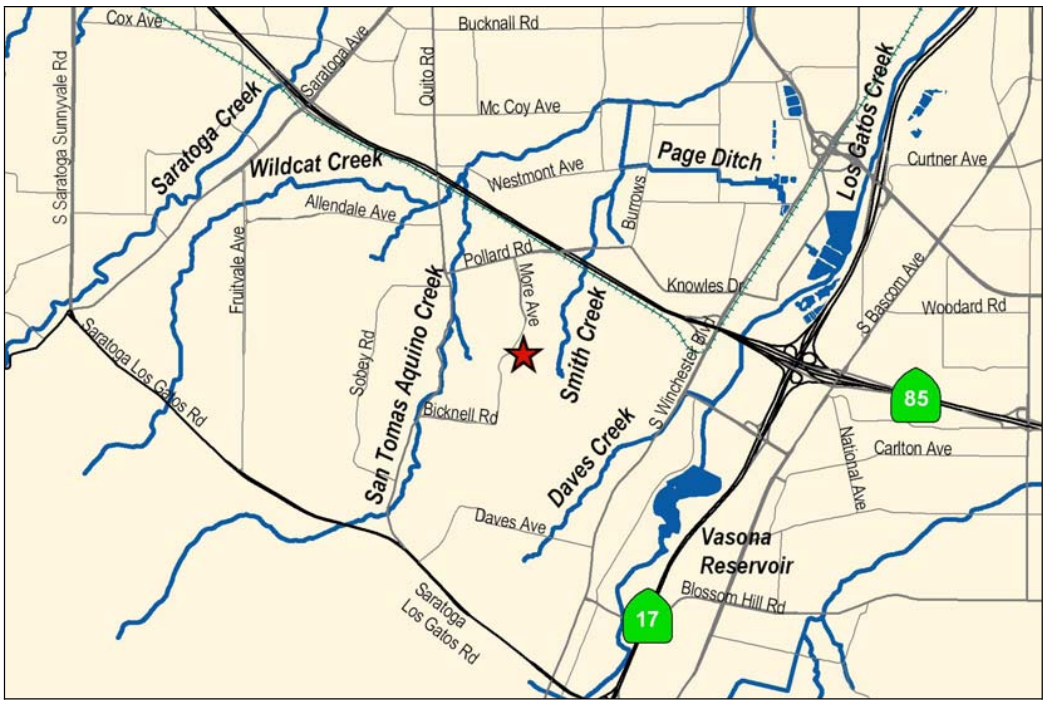
This structure, housing the chemical storage tanks at RWTP, will be seismically upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) chemical storage structure to accomplish the following objectives:

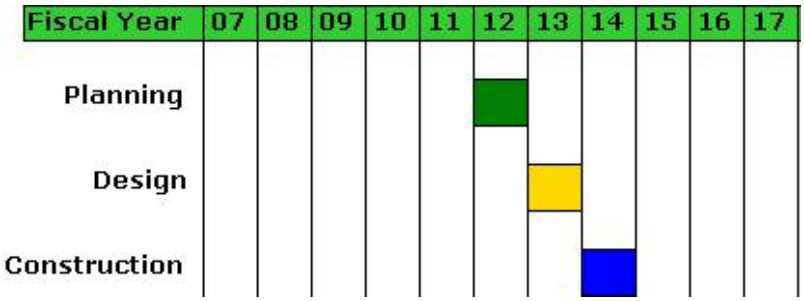
- Comply with seismic standards.
- Ensure the reliability and integrity of the Utility's infrastructure.
- Facilitate or enhance the Utility's abilities to produce goods and deliver services.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2011 to June 2014



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Chemical Storage Structure Seismic Upgrades	0	0	0	0	0	0	440	2,220	2,660
with inflation	0	0	0	0	0	0	495	2,868	3,363

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Chemical Storage Structure Seismic Upgrades	0	0	0	0	0	0	0	495	2,868	3,363

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	3,363
Other Funding Source	0
Total	3,363

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operations costs.

USEFUL LIFE: 40 Years

Project	RWTP Chemical System Upgrade
Program	Water Supply – Treatment
Priority No.	48
Project No.	93294029
District Contact	Gary Kawaoka gkawaoka@valleywater.org

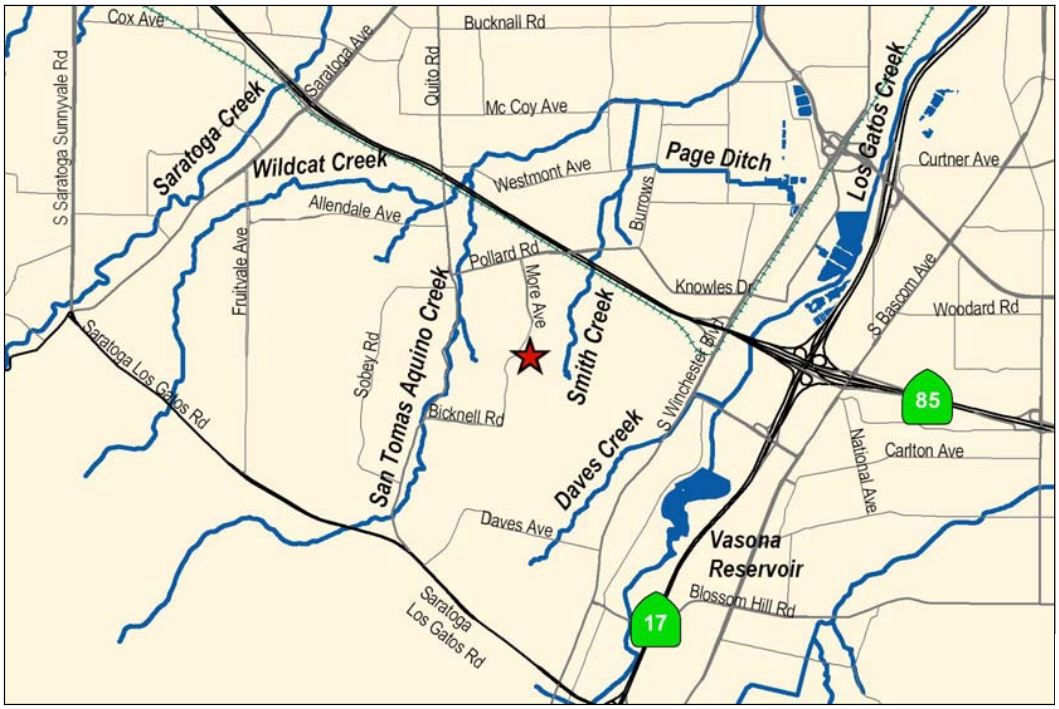
The existing corrosion inhibitor facility at RWTP will be upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to chemical systems at the Rinconada Water Treatment Plant (RWTP) to accomplish the following objectives:

- Upgrade the existing corrosion inhibitor system and increase caustic soda storage capacity.
- Minimize breakdowns of the corrosion inhibitor system and caustic soda storage, thus improving operational redundancy and reliability.
- Comply with the Lead and Copper Rule, Fire Code, and District standard design requirements.

PROJECT LOCATION

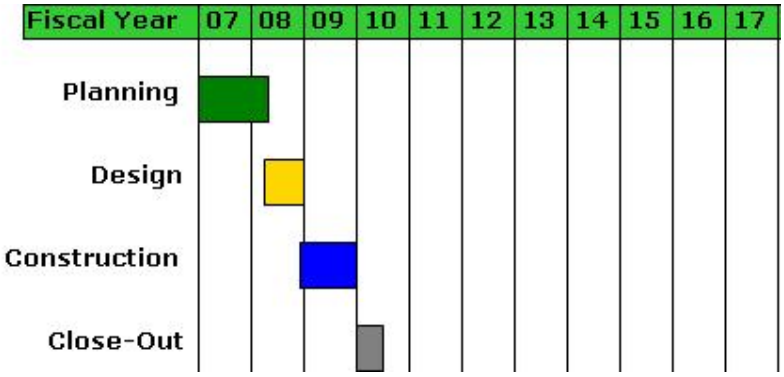


Project Location

PROJECT SCHEDULE

October 2001 to December 2009

Planning, Design, and Construction Phases have been scheduled to coordinate with RWTP Improvement, Stage 2.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Chemical System Upgrade	515	0	2,774	840	50	0	0	0	4,179
with inflation	515	0	2,774	865	53	0	0	0	4,207

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Chemical System Upgrade	714	0	199	2,575	865	53	0	0	0	4,207

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,207
Other Funding Source	0
Total	4,207

OPERATING COST IMPACTS

The project does not alter the existing facilities or modes of operations, therefore does not increase or decrease the annual operating costs.

USEFUL LIFE: 15+ Years

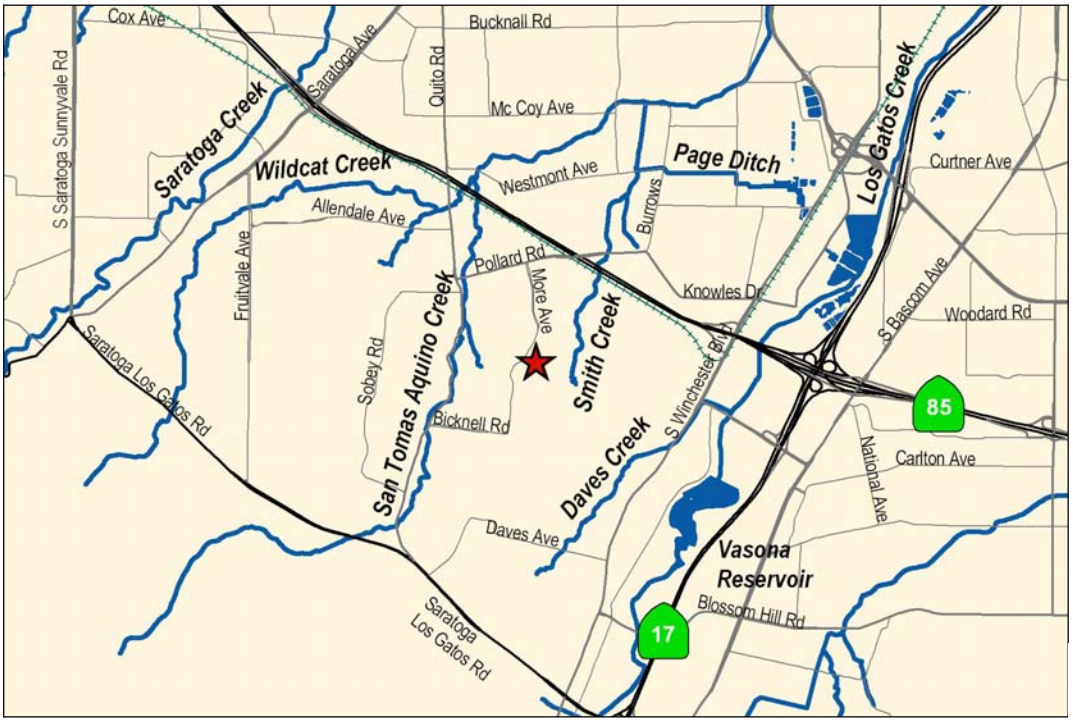
Project	RWTP Control System Trunk Cable Upgrade
Program	Water Supply – Treatment
Priority No.	60
Project No.	93294042
District Contact	Gary Kawaoka gkawaoka@valleywater.org

RWTP trunk cable connecting to the primary and backup programmable logic controller

PROJECT DESCRIPTION

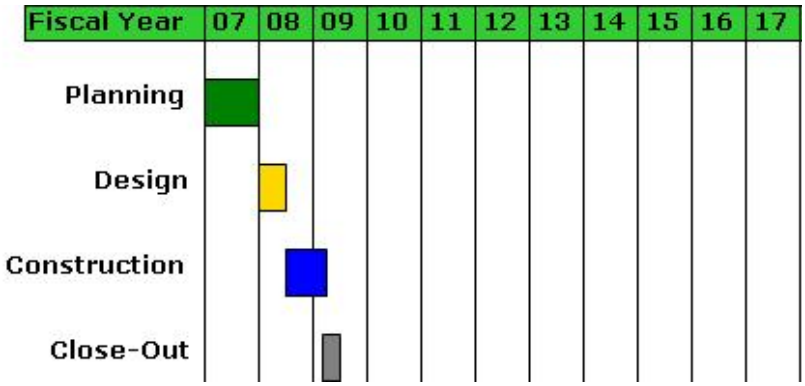
This project plans, designs, and constructs improvements in the Rinconada Water Treatment Plant (RWTP) Supervisory Control and Data Acquisition (SCADA) communications system to relieve unplanned system failures.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
October 2003 to December 2008



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Control System Trunk Cable Upgrade	51	180	544	100	0	0	0	0	875
with inflation	51	180	544	103	0	0	0	0	878

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Control System Trunk Cable Upgrade	291	0	60	484	103	0	0	0	0	878

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	878
Other Funding Source	0
Total	878

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 15+ Years

Project	**RWTP Improvement, Stage 2**
Program	Water Supply – Treatment
Priority No.	95
Project No.	93294028
District Contact	Gary Kawaoka gkawaoka@valleywater.org

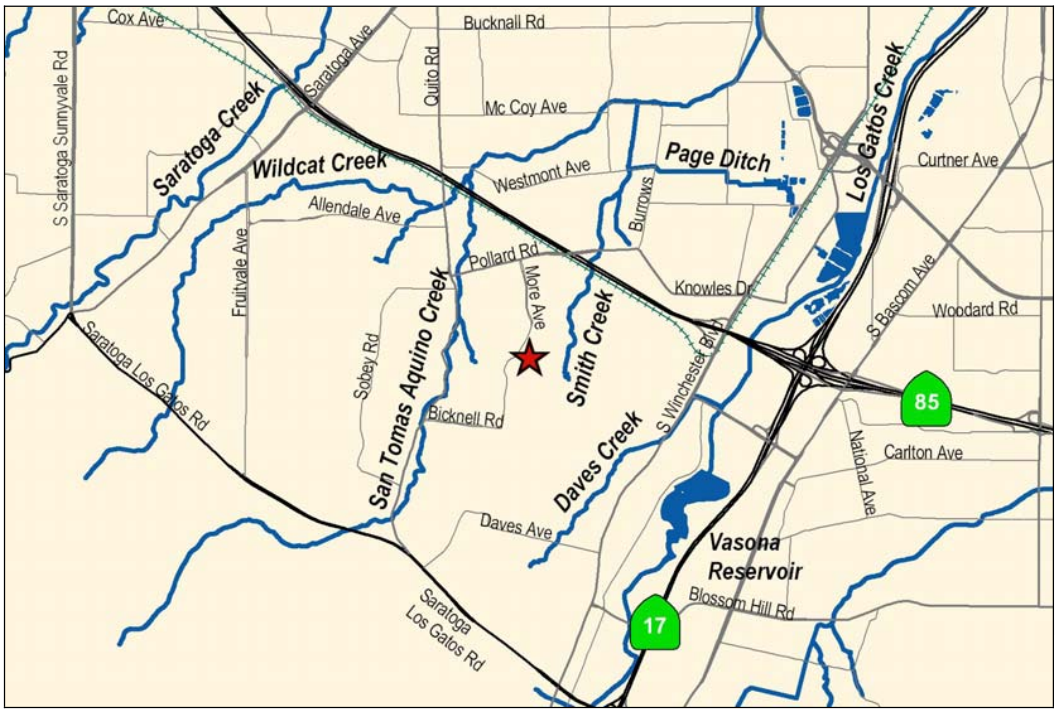
Proposed fifth clarifier and ozone facilities (preliminary computer simulation as seen from More Avenue)

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at the Rinconada Water Treatment Plant (RWTP) to accomplish the following objectives:

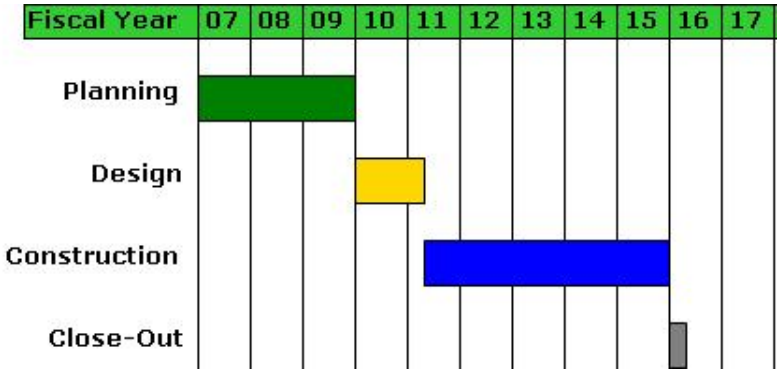
- Improve treated water quality and ensure that all applicable water quality regulations are met or exceeded.
- Improve the reliability of the Rinconada Water Treatment plant by increasing its capacity to 100 million gallons per day and by seismically upgrading existing major treatment facilities.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
January 1996 to October 2015



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Improvement, Stage 2	12,136	546	0	6,100	12,200	26,200	27,700	76,800	161,682
with inflation	12,136	546	0	6,283	12,943	31,274	41,036	107,750	211,969

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Improvement, Stage 2	14,182	0	1,500	0	4,783	12,943	31,274	41,036	107,750	211,969

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	211,969
Other Funding Source	0
Total	211,969

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $1,600,000 per year.

USEFUL LIFE: Mechanical Elements – 15+ Years; Structural Elements – 50+ Years

Project	RWTP Standby Power Upgrade
Program	Water Supply – Treatment
Priority No.	61
Project No.	93294035
District Contact	Ray Yep ryep@valleywater.org

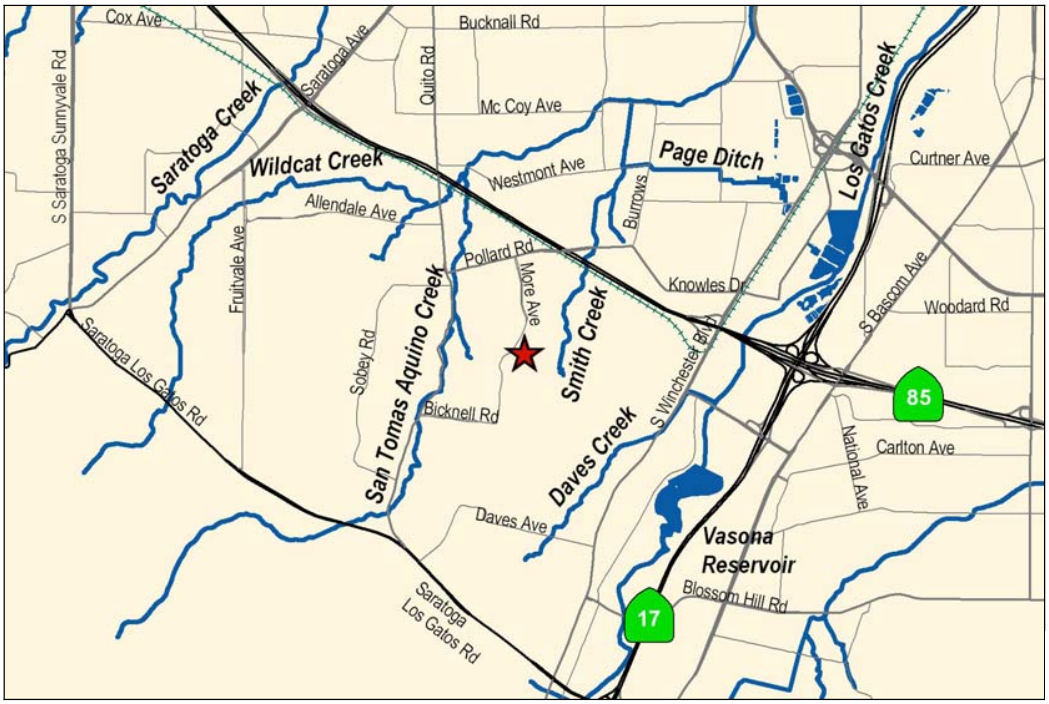
Temporary location of generator in the Rinconada parking lot

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP) to accomplish the following objectives:

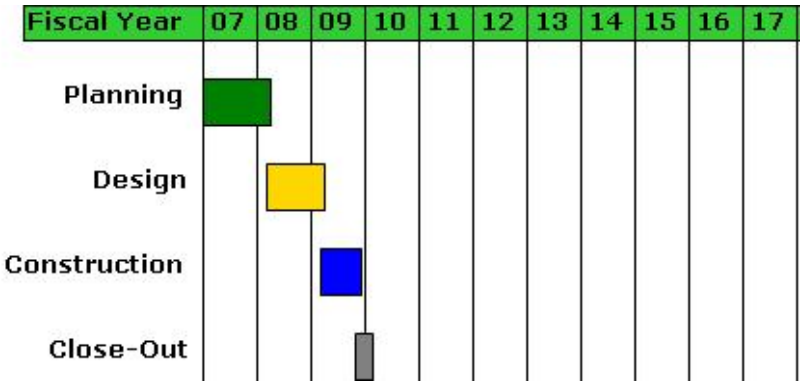
- Upgrade the existing standby power system to support future plant load by installing a new diesel generator, operating in parallel with the existing generator at a permanent location near the main switchgear at RWTP.
- Provide all necessary modifications to deliver reliable and adequate power source during utility power loss.
- Meet all code requirements of the Fire Department for the stationary standby power system.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
January 2003 to August 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Standby Power Upgrade	223	211	1,512	1,364	43	0	0	0	3,353
with inflation	223	211	1,512	1,583	46	0	0	0	3,574

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Standby Power Upgrade	1,469	0	1,035	477	1,583	46	0	0	0	3,574

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	3,574
Other Funding Source	0
Total	3,574

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 15+ Years

Project	RWTP Treated Water Distribution Flow Meter Replacement
Program	Water Supply – Treatment
Priority No.	46
Project No.	93294046
District Contact	Michael Hamer mhamer@valleywater.org

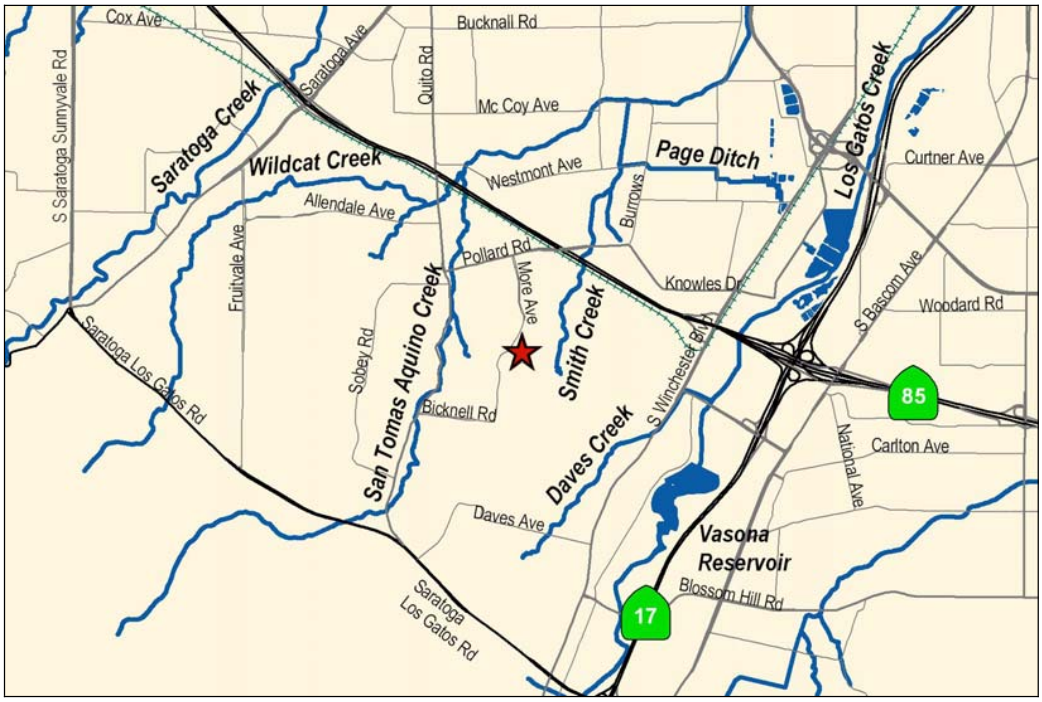
Equipment in need of replacement on flow meter at Rinconada Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP) to replace the plant effluent flow meter with a more accurate and reliable meter to accomplish the following objectives:

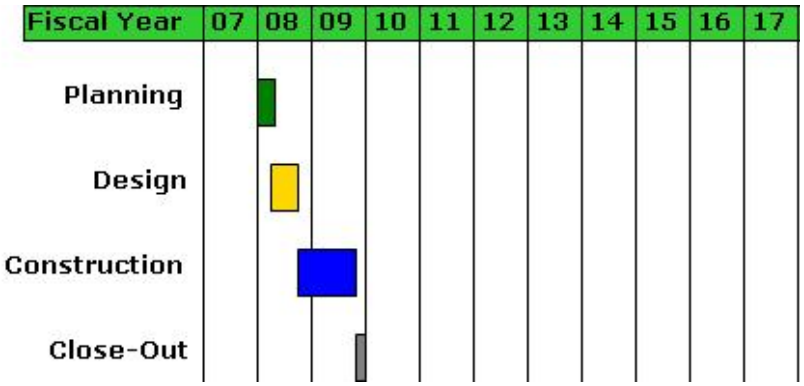
- Improve plant operations.
- Provide more accurate billing information by replacing the treated water distribution meter.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2007 to June 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Treated Water Distribution Flow Meter Replacement	0	0	511	200	0	0	0	0	711
with inflation	0	0	511	206	0	0	0	0	717

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Treated Water Distribution Flow Meter Replacement	0	0	0	511	206	0	0	0	0	717

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	717
Other Funding Source	0
Total	717

OPERATING COST IMPACTS
The completion of this project is anticipated to decrease operating costs by approximately $1,000 per year.

USEFUL LIFE: 25 Years

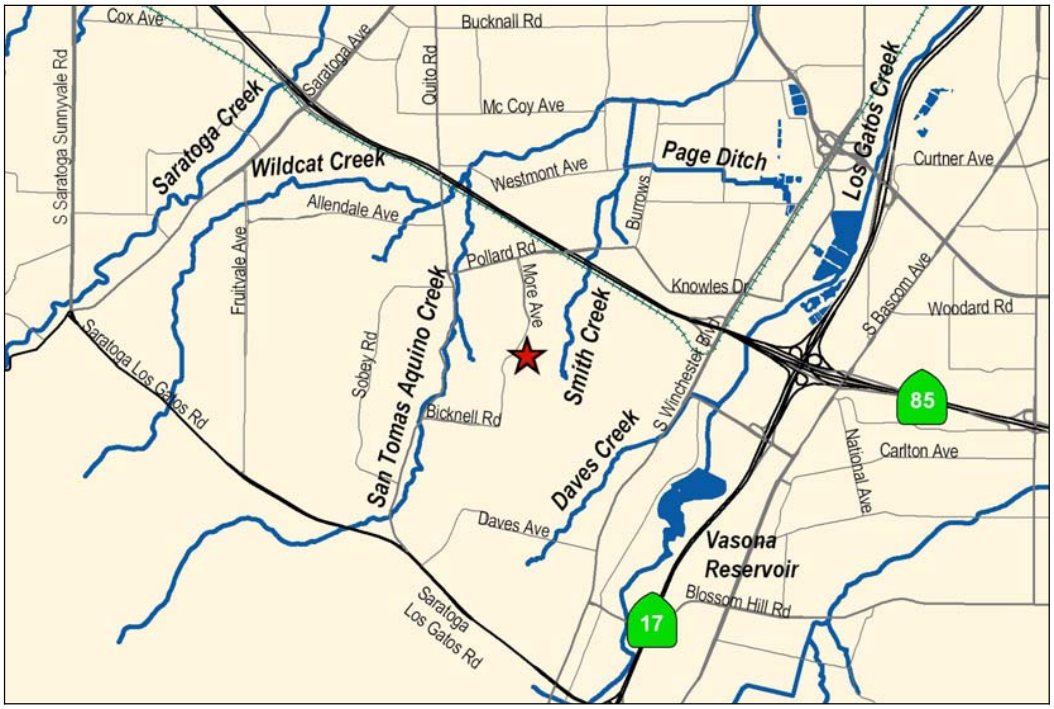
Project	**RWTP Valve Replacements**
Program	Water Supply – Treatment
Priority No.	48
Project No.	93294045
District Contact	Michael Hamer mhamer@valleywater.org

Existing filter gallery valve and actuator to be replaced

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP), including the replacement of valves and actuators and installation of new isolation valves to improve plant operational reliability and maintenance activities.

PROJECT LOCATION

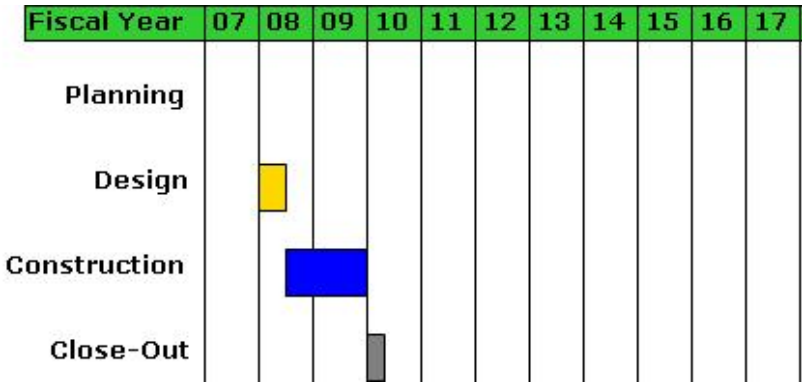


Project Location

PROJECT SCHEDULE

July 2007 to October 2009

The Planning Phase was completed as part of RWTP Stage 2.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Valve Replacements	0	0	4,847	1,620	50	0	0	0	6,517
with inflation	0	0	4,847	1,669	53	0	0	0	6,569

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
RWTP Valve Replacements	0	0	0	4,847	1,669	53	0	0	0	6,569

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,569
Other Funding Source	0
Total	6,569

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Valves = 30 years; Actuators = 20 years; Flow Meter = 20 years.

Project	STWTP Improvement, Stage 2
Program	Water Supply – Treatment
Priority No.	93
Project No.	93284028
District Contact	Gary Kawaoka gkawaoka@valleywater.org

STWTP East ozone contactor structure, where ozone gas is bubbled through water as part of the primary drinking water disinfection process.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Santa Teresa Water Treatment Plant (STWTP) to improve treated water quality and ensure all applicable water quality regulations are met or exceeded.

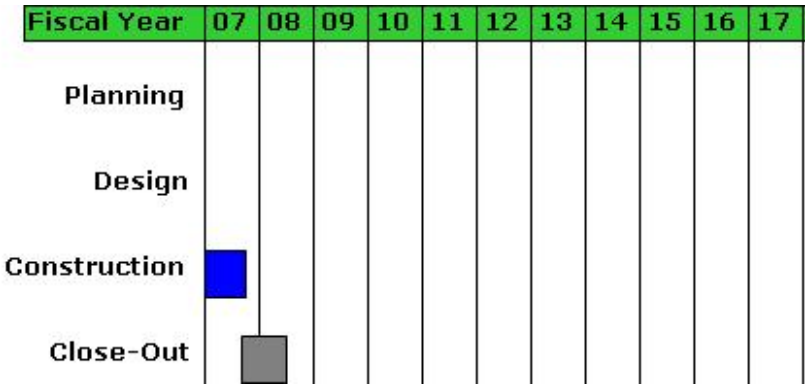
PROJECT LOCATION

Project Location

PROJECT SCHEDULE

December 1998 to December 2007

Planning phase is complete.
Design phase is complete.
Construction phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
STWTP Improvement, Stage 2	59,033	480	50	0	0	0	0	0	59,563
with inflation	59,033	480	50	0	0	0	0	0	59,563

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
STWTP Improvement, Stage 2	60,337	0	824	0	0	0	0	0	0	60,337

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.
The total planned expenditure is $774,000 less than the available project funding. The unspent budget will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	60,337
Other Funding Source	0
Total	60,337

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $1,145,000 per year.

USEFUL LIFE: Mechanical Elements – 15+ Years; Structural Elements – 50+ Years

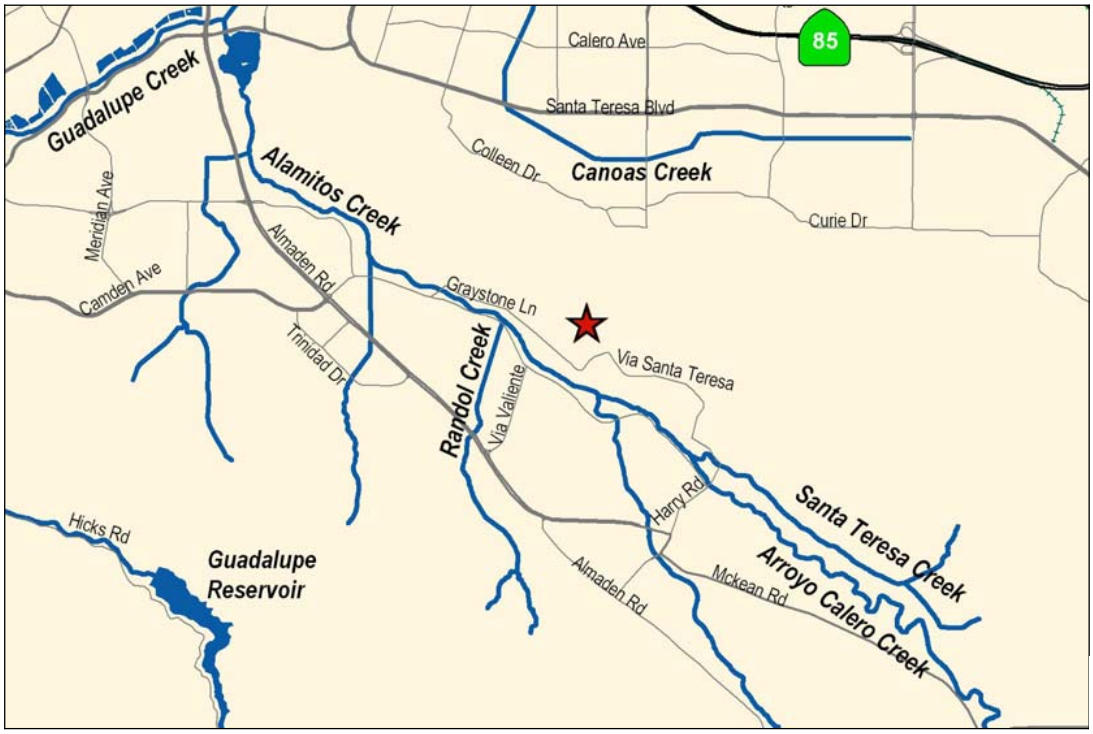
Project	STWTP Incompatible Materials
Program	Water Supply – Treatment
Priority No.	54
Project No.	93284030
District Contact	Michael Hamer mhamer@valleywater.org

Incompatible chemical piping will be separated at the Santa Teresa Water Treatment Plant.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Santa Teresa Water Treatment Plant (STWTP) to separate incompatible chemicals in the chemical feed area, chemical trenches and storage facilities to meet Hazardous Material (HAZMAT) storage regulations.

PROJECT LOCATION

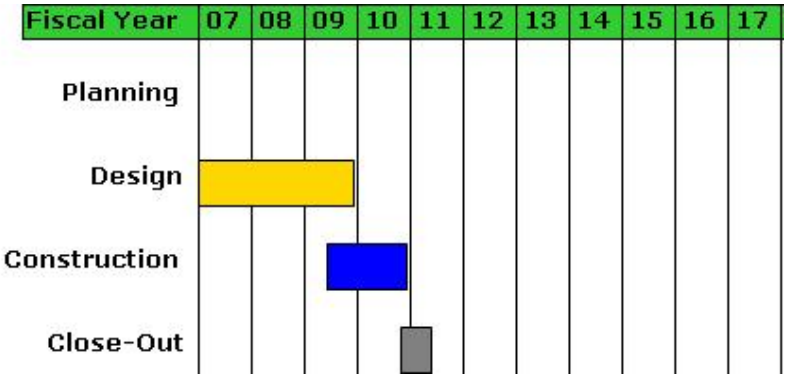


Project Location

PROJECT SCHEDULE

July 2002 to November 2010

Planning phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
STWTP Incompatible Materials	1,020	129	788	2,482	1,270	132	0	0	5,821
with inflation	1,020	129	788	2,879	1,347	144	0	0	6,308

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
STWTP Incompatible Materials	2,280	0	1,131	0	2,536	1,347	144	0	0	6,308

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,308
Other Funding Source	0
Total	6,308

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $4,500 per year.

USEFUL LIFE: Mechanical Elements – 35+ Years; Structural Elements – 50+ Years

Project	**Water Protection**
Program	Water Supply – Treatment
Priority No.	57
Project No.	94084005
District Contact	Michael Hamer mhamer@valleywater.org

Security inspection of vehicles entering Penitencia Water Treatment Plant.

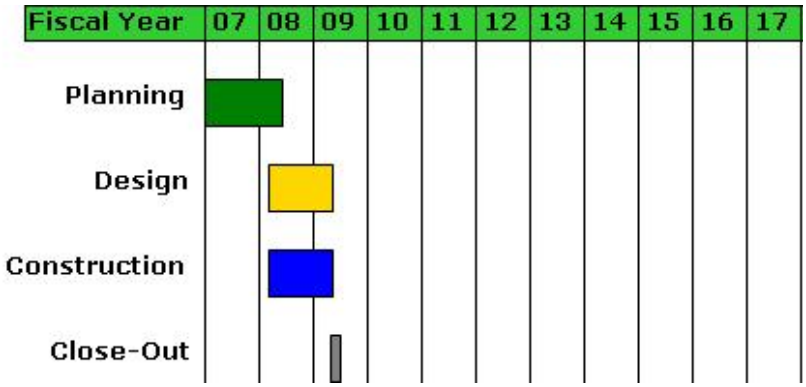
PROJECT DESCRIPTION

This project plans, designs, and constructs security modifications at the District's Water Utility facilities, in response to a security vulnerability assessment completed in 2003, to improve security and reduce terrorist threats to water service reliability.

PROJECT LOCATION

This project will construct security improvements at the District's three water treatment plants and other Water Utility facilities. No project map is provided.

PROJECT SCHEDULE
July 2003 to December 2008



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Water Protection	38	348	4,041	4,126	0	0	0	0	8,553
with inflation	38	348	4,041	4,687	0	0	0	0	9,114

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Water Protection	590	17	221	3,820	4,687	0	0	0	0	9,114

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

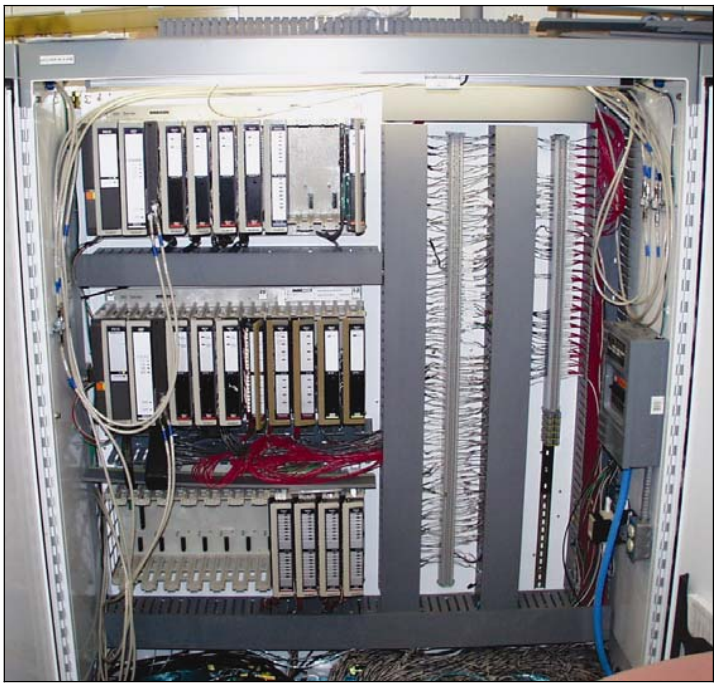
FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	9,114
Other Funding Source	0
Total	9,114

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

Project	Water Treatment Plants SCADA Upgrades
Program	Water Supply – Treatment
Priority No.	48
Project No.	93084009
District Contact	Gary Kawaoka gkawaoka@valleywater.org



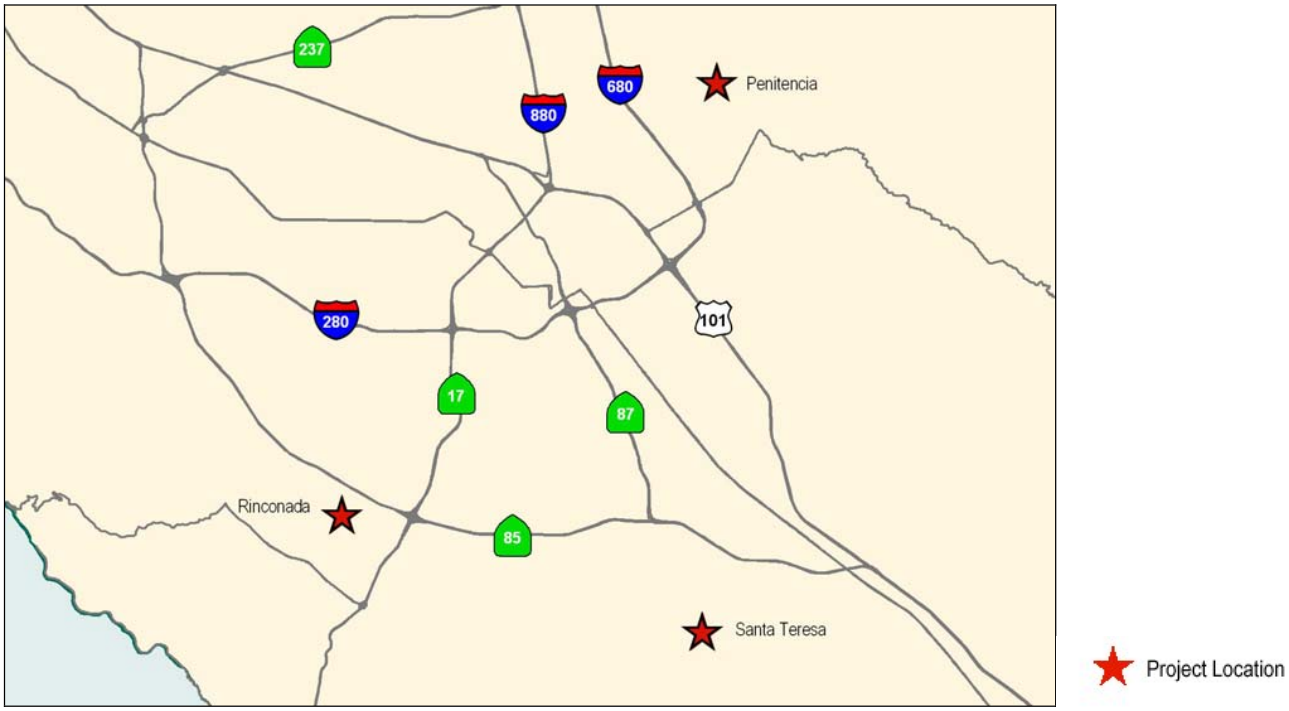
This Penitencia Water Treatment Plant control system Programmable Logic Controller & IO cabinet is to be upgraded.

PROJECT DESCRIPTION

This project upgrades and replaces obsolete Supervisory Control and Data Acquisition (SCADA) control systems hardware and software at the District's three water treatment plants to accomplish the following objectives:

- Meet new hardware and software requirements of Treated Water Improvement Plant Stage 2 improvements.
- Provide real-time data collection capability and graphical interface features.

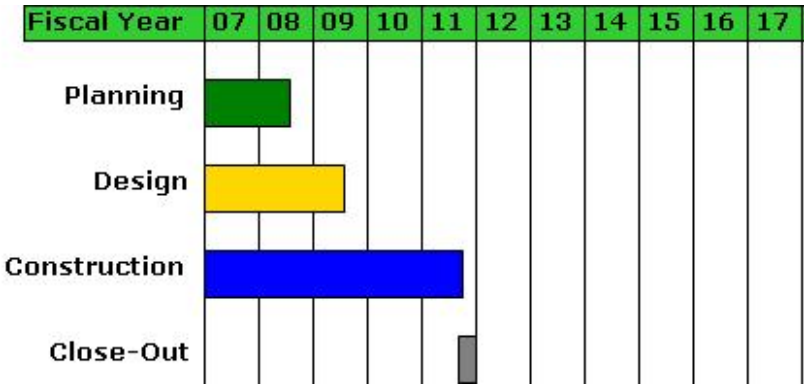
PROJECT LOCATION



PROJECT SCHEDULE

July 2003 to June 2011

Design and Construction Phases will be done in two phases. Phase 1 includes PWTP and STWTP. Phase 2 has been postponed to coordinate with RWTP Stage 2.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Water Treatment Plants SCADA Upgrades	1,237	620	1,976	900	650	400	0	0	5,783
with inflation	1,237	620	1,976	1,041	771	437	0	0	6,083

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Water Treatment Plants SCADA Upgrades	2,862	0	1,005	971	1,041	771	437	0	0	6,083

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,083
Other Funding Source	0
Total	6,083

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 10+ Years

Recycled Water Facilities

- 4 Source Plants
- 1 Pipeline
- 4 Capital Projects

Recycled Water Facilities Project Pages

Project	Bay Area Regional Desalination, Mallard Slough Pilot Plant
Program	Water Supply – Recycled Water
Priority No.	5
Project No.	91084017
District Contact	Keith Whitman kwhitman@valleywater.org

Mallard Slough Pump Station

PROJECT DESCRIPTION

This project plans, designs, constructs and operates a temporary desalination pilot facility, so that the District and partner agencies (East-Bay Municipal Utility District, San Francisco Public Utilities Commission, and Contra Costa Water District) obtain refined local data on micro-filtration and reverse osmosis using delta brackish water. The pilot also tests marine life exclusion systems. The Bay Area Regional Desalination Project will accomplish the following objectives:

- Provide additional sources of water during emergencies such as earthquakes or Delta levee failures.
- Provide a supplemental water supply source during extended droughts.
- Allow other major facilities such as treatment plants, water pipelines, and pump stations to be taken out of service for maintenance or repairs.
- Increase water supply reliability by providing supplemental water from a regional facility.

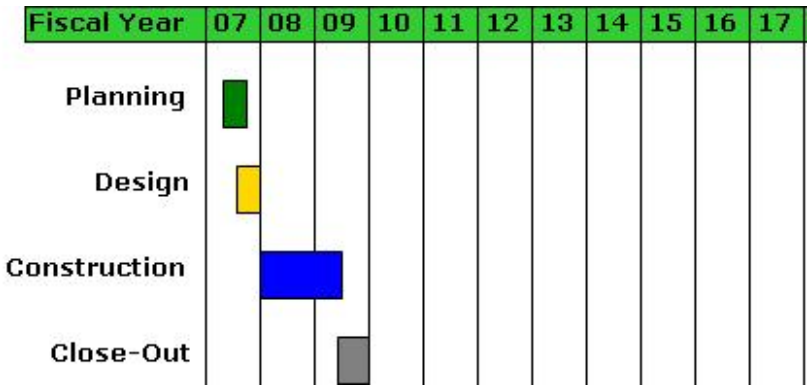
PROJECT LOCATION

Project Location

PROJECT SCHEDULE

November 2006 to June 2009

Construction phase includes one year of pilot plant operation before closeout.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Bay Area Regional Desalination, Mallard Slough Pilot Plant	0	255	5	3	0	0	0	0	263
with inflation	0	255	5	3	0	0	0	0	263

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Bay Area Regional Desalination, Mallard Slough Pilot Plant	0	300	45	0	0	0	0	0	0	300

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007. The total planned expenditure is $37,000 less than the available project funding. The unspent budget will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	300
Other Funding Source	0
Total	**300**
East Bay Municipal Utility District	258
San Francisco Public Utilities Commission	258
Contra Costa Water District	258
California State Department of Water Resources	1,000

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Temporary Facility – Not Applicable

Project	Recycled Water Advanced Treatment Facility WPCP
Program	Water Supply – Recycled Water
Priority No.	39
Project No.	91184008
District Contact	Keith Whitman kwhitman@valleywater.org

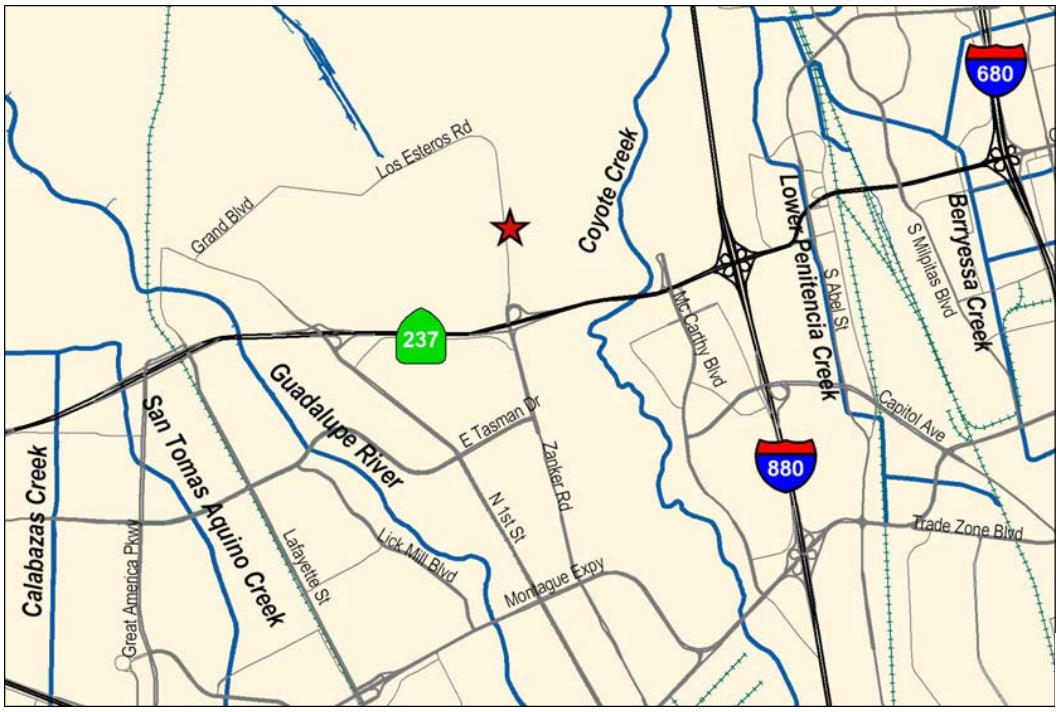
Typical recycled water advanced treatment plant

PROJECT DESCRIPTION

This project plans, designs, and constructs a 5- to 7-mgd (million-gallon-per-day) Recycled Water Advanced Treatment Facility within the footprint of the South Bay Water Recycling's Water Pollution Control Plant (WPCP) in San Jose, to accomplish the following objectives:

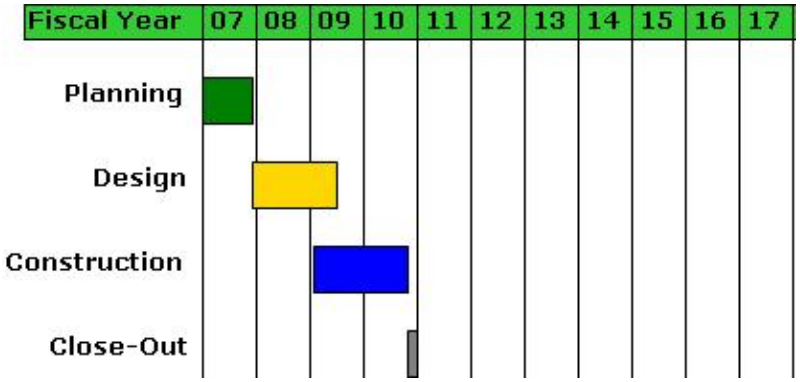
- Improve recycled water quality to enhance marketability.
- Increase the operational reliability and flexibility of recycled water.
- Retain existing customers who may have water quality (especially salinity) issues.
- Improve public acceptance of recycled water.
- Maximize water recycling alternatives.
- Reduce fresh water effluent discharges into San Francisco Bay to protect endangered species.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
January 2004 to June 2010



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Recycled Water Advance Treatment WPCP	190	2,845	53	10,805	5,650	0	0	0	19,543
with inflation	190	2,845	53	12,839	7,281	0	0	0	23,208

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Recycled Water Advance Treatment WPCP	3,095	0	60	0	12,832	7,281	0	0	0	23,208

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	24,385
California Dept. of Water Resources	1,500
Water Development Resources Act - U.S. Army Corps	2,750
City of San Jose - (Planning and Design)	1,500
Total	**18,635**
City of San Jose	18,635

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $1.2 million per year.

USEFUL LIFE: 20-30 Years

Project	**Recycled Water South County Masterplan Implementation**
Program	Water Supply – Recycled Water
Priority No.	15
Project No.	91094007
District Contact	Keith Whitman kwhitman@valleywater.org

Recycled water purple pipeline waiting to be laid during construction of Immediate Term project.

PROJECT DESCRIPTION

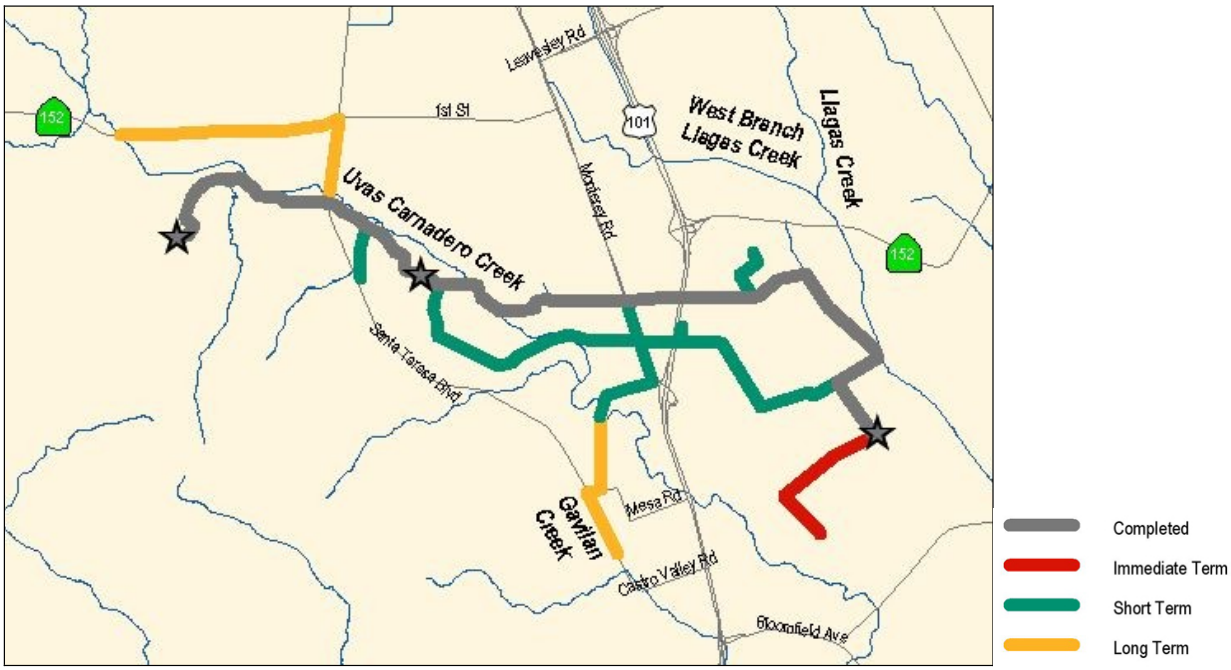
This project plans, designs, and constructs water recycling systems based on the South County Recycled Water Master Plan report that the District and South County Regional Wastewater Authority (SCRWA) Boards accepted in December 2004 to operate and expand the South County Recycled Water System.

The Master Plan report presents a 20-year capital program for expanding water recycling in South County in three phases; Immediate Term, Short Term, and Long Term:

- Gilroy Pipelines (Immediate Term) includes design and construction of recycled water storage, pumping, and distribution facilities for agricultural use near the SCRWA treatment plant (91094007).
- Gilroy Pipelines and Reservoir (Short Term) constructs about 42,000 feet of 16- to 30-inch pipelines from the SCRWA treatment plant along Southside Drive and Luchessa Avenue to the Glen Loma development, and a 3-million-gallon storage reservoir (91C40218).
- Gavilan, Hecker Pass, and Morgan Hill Scalping Plant (Long Term) consists of pipeline extensions of the Gilroy sports Park to serve the Gavilan College area, additional distribution piping in the Hecker Pass area, a Morgan Hill scalping plant and 2-mgd expansion of the booster pump station (91C40219).

The project is funded for the immediate- and short-term phases only. The scope, schedule, costs, and funding sources for the long-term project will be determined pending Board consideration of alternatives for responding to financial constraints.

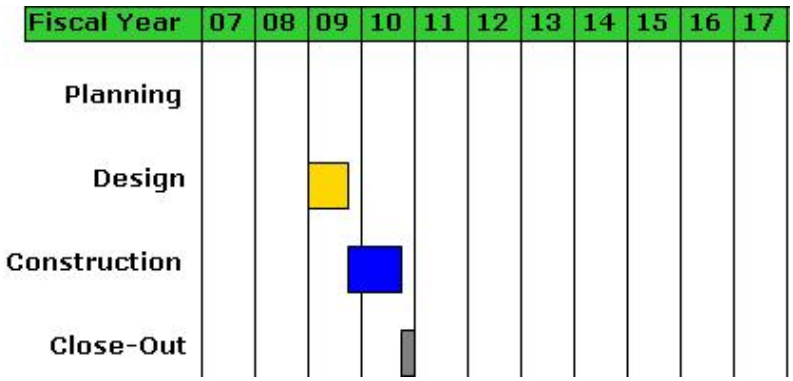
PROJECT LOCATION



PROJECT SCHEDULE

July 2005 to June 2010

This schedule shows the Short-Term project only. The Immediate-Term project is not shown. It is being coordinated with SCRWA and will close out in December 2007.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Recycled Water South County Masterplan - Immediate Term	3,074	5	145	0	0	0	0	0	3,224
with inflation	3,074	5	145	0	0	0	0	0	3,224
Recycled Water South County Masterplan - Short Term	0	0	0	3,500	5,100	0	0	0	8,600
with inflation	0	0	0	3,795	6,581	0	0	0	10,376
TOTAL	**3,074**	**5**	**145**	**3,500**	**5,100**	**0**	**0**	**0**	**11,824**
with inflation	**3,074**	**5**	**145**	**3,795**	**6,581**	**0**	**0**	**0**	**13,600**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Fund	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Recycled Water South County Masterplan - Immediate Term	3,224		145	0	0	0	0	0	0	3,224
Recycled Water South County Masterplan - Short Term			0	0	3,795	6,581	0	0	0	10,376
TOTAL	**3,224**	**0**	**145**	**0**	**3,795**	**6,581**	**0**	**0**	**0**	**13,600**

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	13,600
Other Funding Source	0
Total	**13,600**

OPERATING COST IMPACTS

Estimated District share of the operating and maintenance costs are $8,000 per year for the Immediate-Term phase and $70,000 for the Short-Term phase.

USEFUL LIFE: Pipelines – 50 Years; Pumps – 20 Years

Project	**Water Efficient Demonstration Garden**
Program	Water Supply – Recycled Water
Priority No.	20
Project No.	91154006
District Contact	Keith Whitman kwhitman@valleywater.org

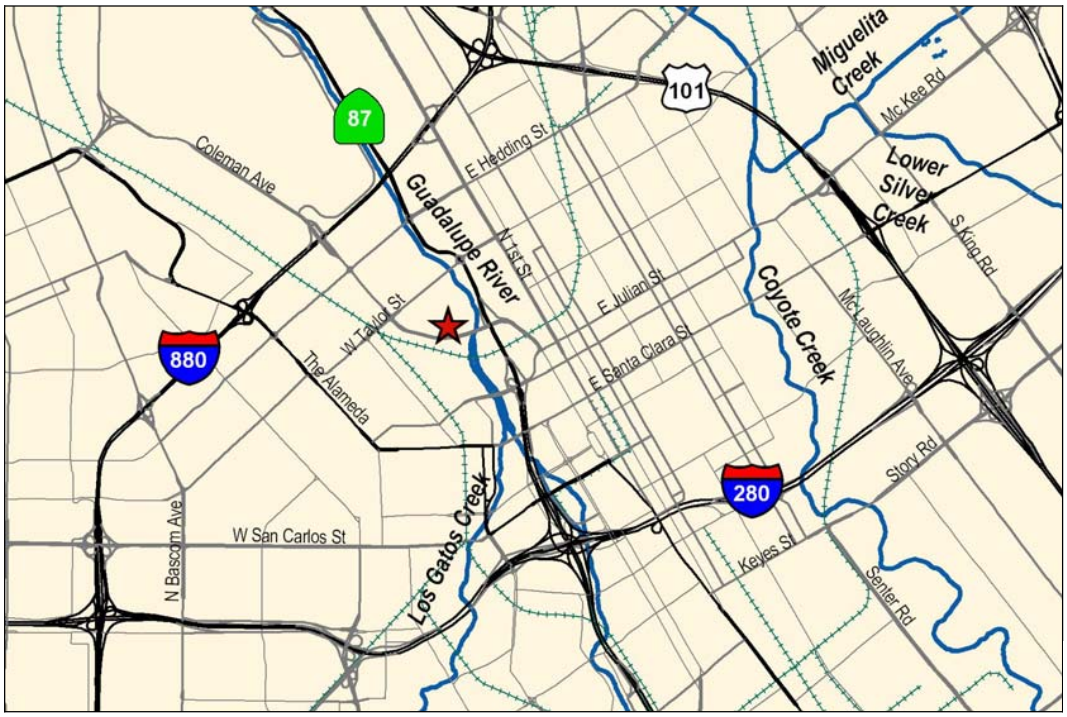
Proposed site for the District's Water Efficient Demonstration Garden, within Guadalupe Gardens in San Jose

PROJECT DESCRIPTION

This project designs and constructs improvements to approximately 1 acre of the Guadalupe Gardens, located at the northern portion of the site, extending from Seymour Street to Hobson Street, near Coleman Avenue, to accomplish the following:

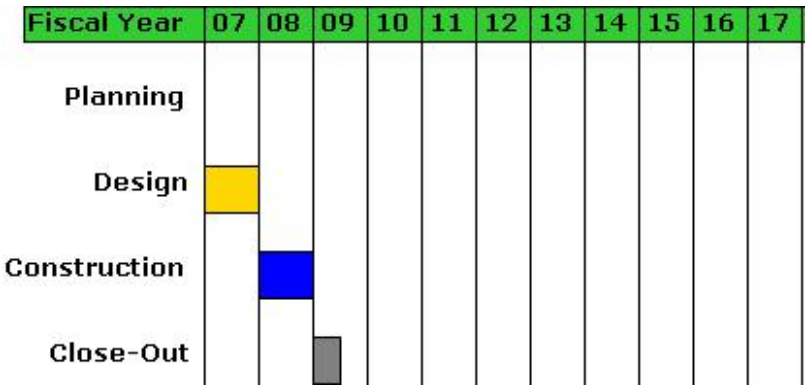
- Design and develop a demonstration garden that promotes water use efficiency in landscaping.
- Create an educational resource, test facility, and learning center that provide environmentally sound and cost-effective landscaping alternatives.
- Educate the general public on the use of water wise plants, while promoting efficient irrigation technologies and recycled water.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
July 2006 to December 2008



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Water Efficient Demonstration Garden	0	260	1,633	61	0	0	0	0	1,954
with inflation	0	260	1,633	63	0	0	0	0	1,956

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Water Efficient Demonstration Garden	0	260	0	1,633	63	0	0	0	0	1,956

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Water Utility Enterprise Fund	1,810
Department of Water Resources	146
Total	1,956

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $50,000 per year.

USEFUL LIFE: Not Available

FLOOD PROTECTION CAPITAL IMPROVEMENTS

FLOOD PROTECTION OVERVIEW

The District manages approximately 800 miles of creeks in Santa Clara County to meet the Board's Ends Policy E–2.2, "There is a reduced potential for flood damages." The 800 miles of creeks are located in five watersheds; Lower Peninsula, West Valley, Guadalupe, Coyote, and Uvas/Llagas. The District administers an asset management program for its flood protection infrastructure. The program includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended over its useful life.

Fifty years of working for flood protection has significantly reduced the intensity and frequency of flooding in Santa Clara County. The voters in Santa Clara County have supported the District's flood protection efforts by approving benefit assessment funding in 1982, 1986, and 1990.

In 2000, voters approved a special tax to fund the continuation of the District's flood protection capital improvements, specifically, moving upstream from the completed downstream work or starting new work on creeks that have not had flood protection work.

Analysis conducted at that time identified nine capital projects that would be funded by the special tax. Current analysis indicates that an increase in project costs will result in an $81 million revenuee shortfall. Direct staff is currently working with the Board to develop a method for addressing this revenue shortfall.

Lower Peninsula Watershed

Major Capital Improvements Completed

- Adobe Creek from Highway101 to Edith Avenue
- Barron Creek
- Matadero Creek from Palo Alto Flood Basin to Barron Creek
- Palo Alto Flood Basin
- Stevens Creek from Highway 101 to Homestead Road

Major Capital Improvements Identified in the CIP

- Adobe Creek continuing upstream from completed work at Edith Avenue to Interstate 280
- Permanente Creek from S.F. Bay to Foothill Expressway (Clean Safe Creeks project)
- San Francisquito Creek from S.F. Bay to Searsville Dam (Clean Safe Creeks project)

West Valley Watershed

Major Capital Improvements Completed

- Calabazas Creek from Guadalupe Slough to Miller Avenue
- San Tomas Creek from Southern Pacific Railroad to Cabrillo Avenue
- Saratoga Creek from San Tomas Creek to Lawrence Expressway

Major Capital Improvements Identified in the CIP

- Calabazas Creek continuing upstream from completed work at Miller Avenue to Wardell Road (Clean Safe Creeks project)
- Sunnyvale East Channel from Guadalupe Slough to Interstate 280 (Clean Safe Creeks project)
- Sunnyvale West Channel from Guadalupe Slough to Highway 101 (Clean Safe Creeks project)

Guadalupe Watershed

Major Capital Improvements Completed

- Alamitos Creek
- Guadalupe River–Lower from Alviso Marina to Interstate 880
- Guadalupe River–Downtown from Interstate 880 to Interstate 280

Major Capital Improvements Identified in the CIP

- Guadalupe River–Upper continuing from completed work at Interstate 280 to Blossom Hill Road (Clean Safe Creeks project)

Coyote Watershed

Major Capital Improvements Completed

- Coyote Creek from S.F. Bay to Montague Expressway
- Lower Penitencia Creek from Coyote Creek to Tasman Drive
- Lower Silver Creek from Coyote Creek to Interstate 680
- Wrigley Ford Creek

Major Capital Improvements Identified in the CIP

- Berryessa Creek from Lower Penitencia Creek to Calaveras Boulevard
- Berryessa Creek from Calaveras Boulevard to Old Piedmont Road (Clean Safe Creeks project)
- Coyote Creek continuing upstream from completed work at Montague Expressway to Interstate 280 (Clean Safe Creeks project)
- Upper Penitencia Creek from Coyote Creek to Dorel Drive

FLOOD PROTECTION CAPITAL IMPROVEMENTS

Uvas/Llagas Watershed

Major Capital Improvements Completed

- Llagas Creek–Lower from Pajaro River to Buena Vista Road
- Uvas Creek

Major Capital Improvements Identified in the CIP

- Llagas Creek–Upper continuing upstream from completed work at Buena Vista Road to Wright Avenue (Clean Safe Creeks project)

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to ensure that the new flood protection projects proposed to be added to the Fiscal Year 2007-08 CIP reflect the Board's priorities. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for flood protection capital improvements was conducted to determine if there are limitations to funding all of the projects in the approved Fiscal Year 2006-07 CIP and the high priority new capital projects.

- Five Watershed Funds and Watershed Stream Stewardship Fund
- Clean Safe Creeks Fund

Results of the prioritization process and financial analysis are summarized in Appendix B. The process concluded that the flood protection capital needs are larger than the projected revenues. No new flood protection capital projects were added to the Fiscal Year 2007-08 CIP, due to the limitations of the funding sources. The following high priority flood protection projects, unfunded or partially funded, are of major concerns to meet the Board's Ends Policy E–2.2, "There is a reduced potential for flood damages."

Five Watershed Funds and Watershed Stream Stewardship Fund

- Thompson Creek Stream Stabilization from Quimby Road to Aborn Road (partially funded - coordination with Corps of Engineers only)
- Upper Penitencia Creek from Coyote Creek to Dorel Drive (partially funded - planning phase only)
- Lower Silver Creek from Highway 680 to Lake Cunningham (not funded)
- Llagas Creek Capacity Restoration Highway 152 to Pajaro River (not funded)
- San Francisco Bay Shoreline Project (partially funded - planning phase only)

CleanSafe Creeks and Natural Flood Protection Fund

FY 2008 CIP financial analysis indicates that an increase in project costs will result in an $81 million revenue shortfall. District staff is working with the Board to develop a method for addressing this revenue shortfall.

- Permanente Creek, San Francisco Bay to El Camino Real (design & construct)
- San Francisquito Creek, San Francisco Bay through Searsville Dam (design & construct)
- Calabazas Creek, Miller Avenue to Wardell Road
- Sunnyvale West Channel, Guadalupe Slough to Highway 101
- Sunnyvale East Channel, Guadalupe Slough to Highway 101
- Upper Guadalupe River, Intersate 280 to Blossom Hill Road
- Coyote Creek, Montague Expressway to Intersate 280
- Upper Llagas Creek, Buena Vista Road to Wright Avenue

FLOOD PROTECTION CAPITAL IMPROVEMENTS

The following table is a project funding schedule for flood protection capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the page number identified. The chart also identifies partially funded projects and estimated unspent appropriations from FY 2006-07.

Flood Protection Capital Improvements

Page No.	Project Name	Thru FY06	FY07	Unspent as of FY07	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
	LOWER PENINSULA WATERSHED										
IV-7	Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)	21,150	247	1,259	3,351	335	53	55	84	0	25,275
IV-9	Matadero/Barron Creek Remediation, Palo Alto Flood Basin to Alma Street	24,325	0	2,022	0	0	0	0	0	0	24,325
IV-11	Permanente Creek, San Francisco Bay to Foothill Expressway	10,947	995	1,586	26	2,364	1,936	1,858	13,373	27,303	58,802
IV-13	San Francisquito Creek, San Francisco Bay through Searsville Damq	4,000	0	1,859	0	0	5,237	2,675	2,755	3,264	17,931
	WEST VALLEY WATERSHED										
IV-17	Calabazas Creek, Ballinger Bridge	3,137	2,500	635	0	19	0	0	0	0	5,656
IV-19	Calabazas Creek, Capacity Improvement	2,000	2,446	579	526	23	0	0	0	0	4,995
IV-21	Calabazas Creek, Miller Avenue to Wardell Road	4,686	1,471	1,764	0	717	11,206	8,328	7,941	8,797	43,146
IV-23	San Tomas Creek, Quito Road Bridges Replacement	696	0	278	0	0	0	0	0	0	696
IV-25	Sunnyvale East and West Channel Planning	344	1,854	152	2,739	1,553	918	0	0	0	7,408
IV-27	Sunnyvale East Channel, Guadalupe Slough to Interstate 280	0	0	0	0	0	0	4,093	4,216	122,544	130,853
IV-29	Sunnyvale West Channel, Guadalupe Slough to Highway 101	0	0	0	0	0	0	988	1,017	10,798	12,803
	GUADALUPE WATERSHED										
IV-33	Guadalupe River-Lower, Alviso Marina to Interstate 880	81,994	5,334	202	2,106	39	74	0	0	0	89,547
IV-35	Guadalupe River-Downtown, Interstate 880 to Interstate 280	95,162	7,695	8,569	1,537	437	689	0	0	0	105,520
IV-37	Guadalupe River-Upper, Interstate 280 to Blossom Hill Road	37,242	7,967	13,610	7,661	38,447	3,791	4,145	14,155	15,971	129,379

Flood Protection Capital Improvements (cont'd)

	COYOTE WATERSHED										
IV-41	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	5,267	1,047	2,045	2,630	2,234	8,619	516	443	1,125	21,881
IV-43	Berryessa Creek, Lower Penitencia Creek to Calaveras Blvd	12,720	0	6,104	7,422	1,688	3,439	7,138	478	20,922	53,807
IV-45	Coyote Creek, Montague Expressway to Interstate 280	6,903	0	1,557	2,507	992	964	1,232	9,459	16,385	38,442
IV-47	Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)	78,054	557	218	519	426	0	0	0	0	79,556
IV-49	Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	2,256	0	2,168	0	0	0	301	118	0	2,675
IV-51	Upper Penitencia Creek, Coyote Creek to Dorel Drive	14,211	543	5,477	30	20	0	0	0	0	14,804
	UVAS/LLAGAS WATERSHED										
IV-55	Llagas Creek-Upper, Buena Vista Road to Wright Avenue	11,529	15	3,975	0	580	780	191	113	612	13,820
	MULTIPLE WATERSHED										
IV-59	San Francisco Bay Shoreline	4,694	2,040	1,411	2,065	2,055	464	0	0	0	11,318
	TOTAL	**421,317**	**34,711**	**55,488**	**33,119**	**51,929**	**38,170**	**31,520**	**54,152**	**227,721**	**892,639**

FY 2006-07 Funds to be reappropriated

The following table shows funding requirements from each funding source for flood protection capital improvements.

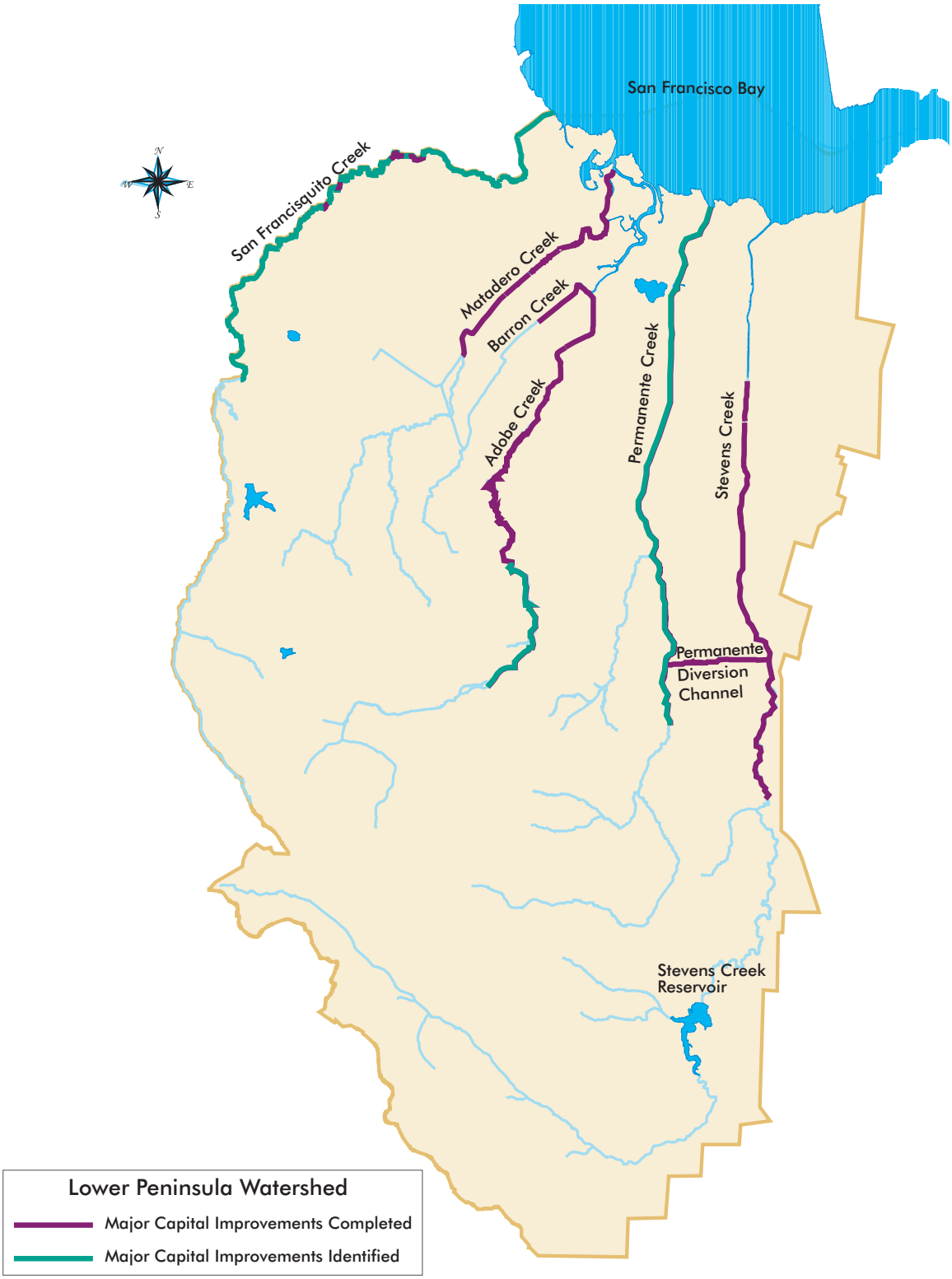
Flood Protection – Funding Sources

Funding Sources	Thru FY06	FY07	FY07 Unspent	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
FLOOD PROTECTION										
Lower Peninsula Watershed Fund	61,971	1,752	7,079	3,893	1,333	4,503	55	84	0	73,591
West Valley Watershed Fund	6,882	5,456	1,863	1,042	556	116	0	0	0	14,052
Guadlaupe Watershed Fund	178,205	13,539	9,124	4,159	990	879	0	0	0	197,772
Coyote Watershed Fund	106,034	1,610	12,152	8,487	2,648	3,555	7,138	478	20,922	150,872
Clean Safe Creeks and Natural Flood Protection	65,971	12,354	23,103	15,537	46,403	29,117	24,026	53,472	206,799*	453,679
Watershed Stream Stewardship Fund	2,256	0	2,168	0	0	0	301	118	0	2,675
Flood Protection Total	**421,317**	**34,711**	**55,488**	**33,119**	**51,929**	**38,170**	**31,520**	**54,152**	**227,721**	**892,639**

* FY 2013-2017 future years funding requests of $206,799 (above) includes a projected funding shortfall of $81 million, beginning in FY 2014.

FY 2006-07 Funds to be reappropriated

FLOOD PROTECTION CAPITAL IMPROVEMENTS



Lower Peninsula Watershed Project Pages

Project	**Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	33
Project No.	10104001S
District Contact	Katherine Oven koven@valleywater.org

Adobe Creek, approximately 1,000 feet upstream of El Camino Real. Invert stabilization structure constructed in 2005.

PROJECT DESCRIPTION

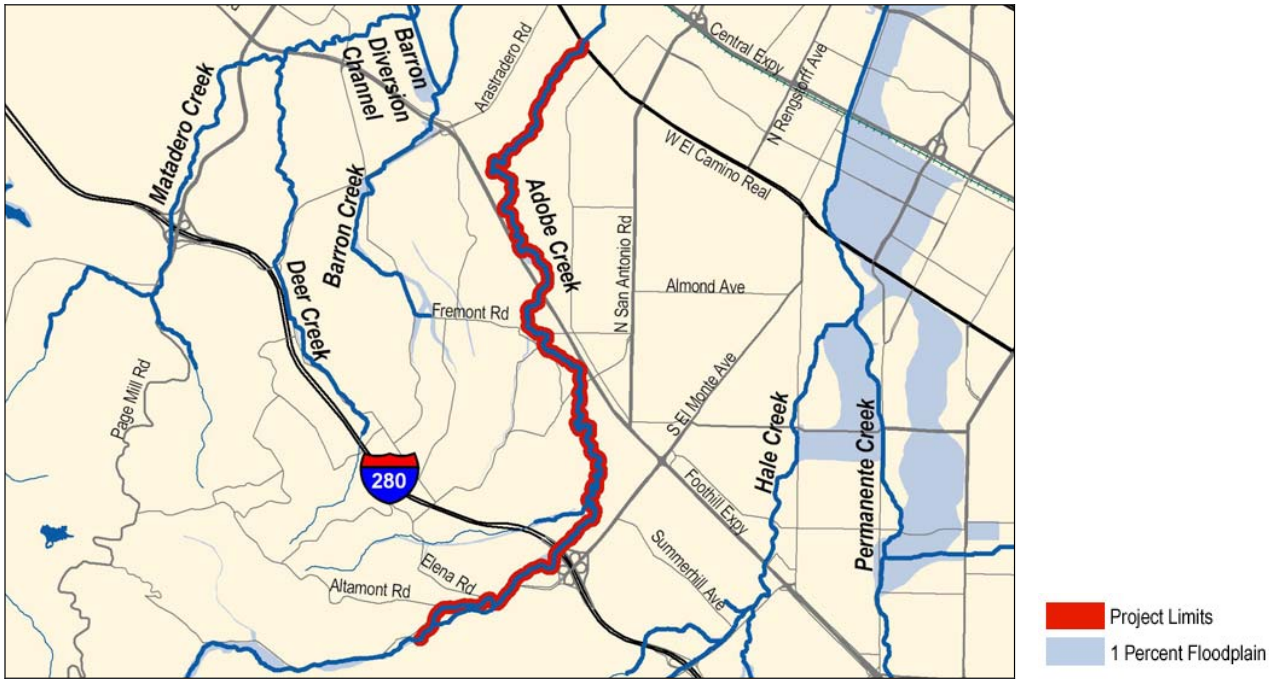
This project plans, designs, and constructs improvements along Adobe Creek, El Camino Real to Rhus Ridge, to accomplish the following objectives:

- Provide protection against flooding and erosion.
- Improve sediment transport.
- Protect and enhance the creek ecosystem.
- Provide for fish passage.

This project is accounted for in the following job numbers:

10104001—Planning Study, from El Camino Real to Rhus Ridge (completed)
10104009—Reach 1-4, from El Camino Real to Foothill Expressway (completed)
10104005—Reach 5 from Foothill Expressway to West Edith (completed)
10104011—Upper Reach 5 Restoration
10104008—Reach 7–9 from Burke Road to Interstate 280
10104007—Reach 11–13 from Foothill College to Rhus Ridge (on hold pending Board direction)

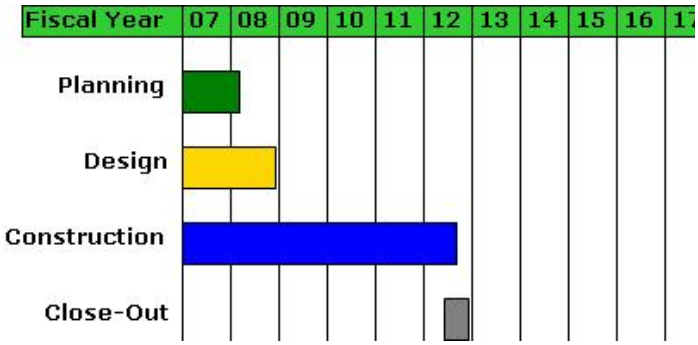
PROJECT LOCATION



PROJECT SCHEDULE

July 1991 to May 2012

Construction includes 3 years of plant establishment monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Adobe Ck, Planning Study	3,199	0	0	0	0	0	0	0	3,199
with inflation	3,199	0	0	0	0	0	0	0	3,199
Adobe Ck, El Camino to Foothill Exp (R1-4)	9,742	0	0	0	0	0	0	0	9,742
with inflation	9,742	0	0	0	0	0	0	0	9,742
Adobe Ck, Foothill to W. Edith (R5)	3,111	0	0	0	0	0	0	0	3,111
with inflation	3,111	0	0	0	0	0	0	0	3,111
Adobe Ck, Upper, Restoration (R5)	1,806	825	3,341	325	50	50	75	0	6,472
with inflation	1,806	825	3,341	335	53	55	84	0	6,499
Adobe Ck, Burke to I-280 (R7-9)	1,323	0	30	0	0	0	0	0	1,353
with inflation	1,323	0	30	0	0	0	0	0	1,353
Adobe Ck, Foothill Col - Rhus Rdg (R11-13)	132	0	0	0	0	0	0	0	132
with inflation	132	0	0	0	0	0	0	0	132
TOTAL	**19,313**	**825**	**3,371**	**325**	**50**	**50**	**75**	**0**	**24,009**
with inflation	**19,313**	**825**	**3,371**	**335**	**53**	**55**	**84**	**0**	**24,036**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Adobe Ck, Planning Study	3,199		0	0	0	0	0	0	0	3,199
Adobe Ck, El Camino to Foothill Exp (R1-4)	9,742		0	0	0	0	0	0	0	9,742
Adobe Ck, Foothill to W. Edith (R5)	3,111		0	0	0	0	0	0	0	3,111
Adobe Ck, Upper, Restoration (R5)	2,404	247	20	3,321	335	53	55	84	0	6,499
Adobe Ck, Burke to I-280 (R7-9)	2,562	0	1,239	30	0	0	0	0	0	2,592
Adobe Ck, Foothill Col - Rhus Rdg (R11-13)	132		0	0	0	0	0	0	0	132
TOTAL	**21,150**	**247**	**1,259**	**3,351**	**335**	**53**	**55**	**84**	**0**	**25,275**

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007. The total planned expenditure for Reach 7-9 is approximately $1,239,000 less than the available funding. The unspent budget will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund	25,196
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Program)	79
Total	**25,275**

OPERATING COST IMPACTS

Operating budget impacts from construction of this project are expected to be insignificant. Repair of several erosion sites will reduce maintenance needs, but will not affect overall sediment removal or vegetation control practices.

USEFUL LIFE: 30+ Years

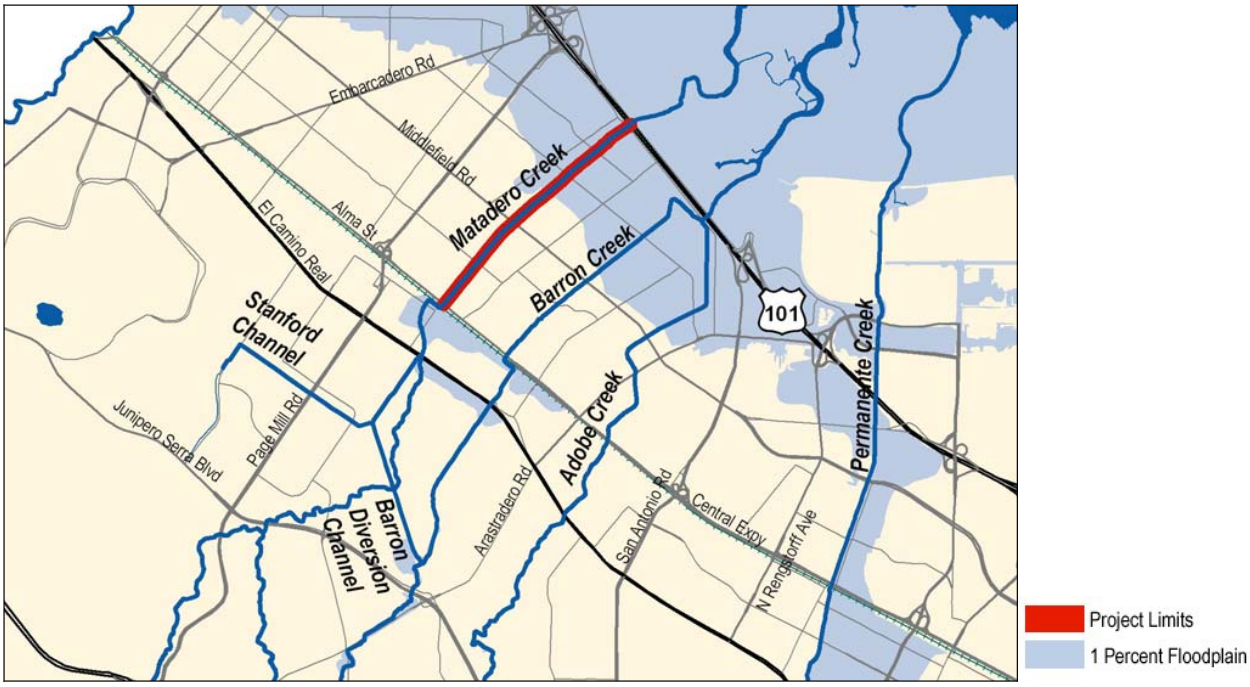
Project	**Matadero/Barron Creek Remediation, Palo Alto Flood Basin to Alma Street**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	64
Project No.	10214009
District Contact	Katherine Oven koven@valleywater.org

Matadero Creek, looking downstream from East Bayshore Road, showing bypass channel entrance

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 1.9 miles of Matadero Creek from the Palo Alto Flood Basin to Alma Street. This will provide one-percent flood protection with adequate freeboard to approximately 4,000 parcels along Matadero and Barron Creeks between Palo Alto Flood Basin and Foothill Expressway.

PROJECT LOCATION

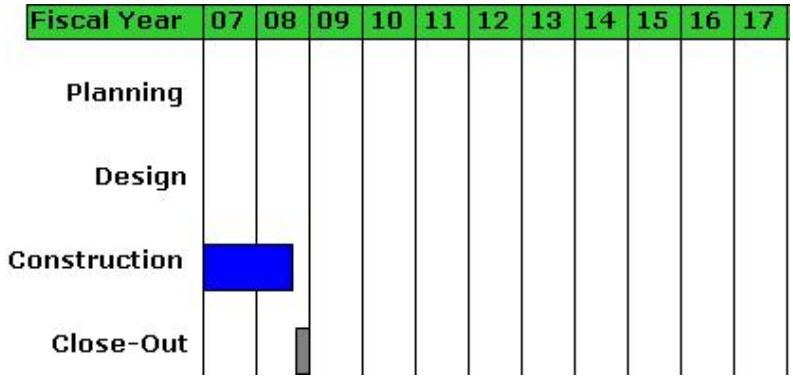


PROJECT SCHEDULE

March 1999 to June 2008

Construction and mitigation planting completed in February 2005. Construction Phase includes three years of plant establishment monitoring.

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Matadero/Barron Creek Remediation, Palo Alto Flood Basin to Alma Street	22,168	135	129	0	0	0	0	0	22,432
with inflation	22,168	135	129	0	0	0	0	0	22,432

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Matadero/Barron Creek Remediation, Palo Alto Flood Basin to Alma Street	24,325	0	2,022	0	0	0	0	0	0	24,325

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.
The total planned expenditure is $1,893,000 less than the available project funding. The unspent budget will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund	24,325
Other Funding Source	0
Total	**24,325**

OPERATING COST IMPACTS

This project includes a bypass channel near the Palo Alto Flood Basin. The bypass channel will be maintained routinely to remove sediment and vegetation. The completion of this project is anticipated to increase operating costs by approximately $30,000 per year.

USEFUL LIFE: 30+ Years

Project	Permanente Creek, San Francisco Bay to Foothill Expressway
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	96
Project No.	10244001S
District Contact	Katherine Oven koven@valleywater.org

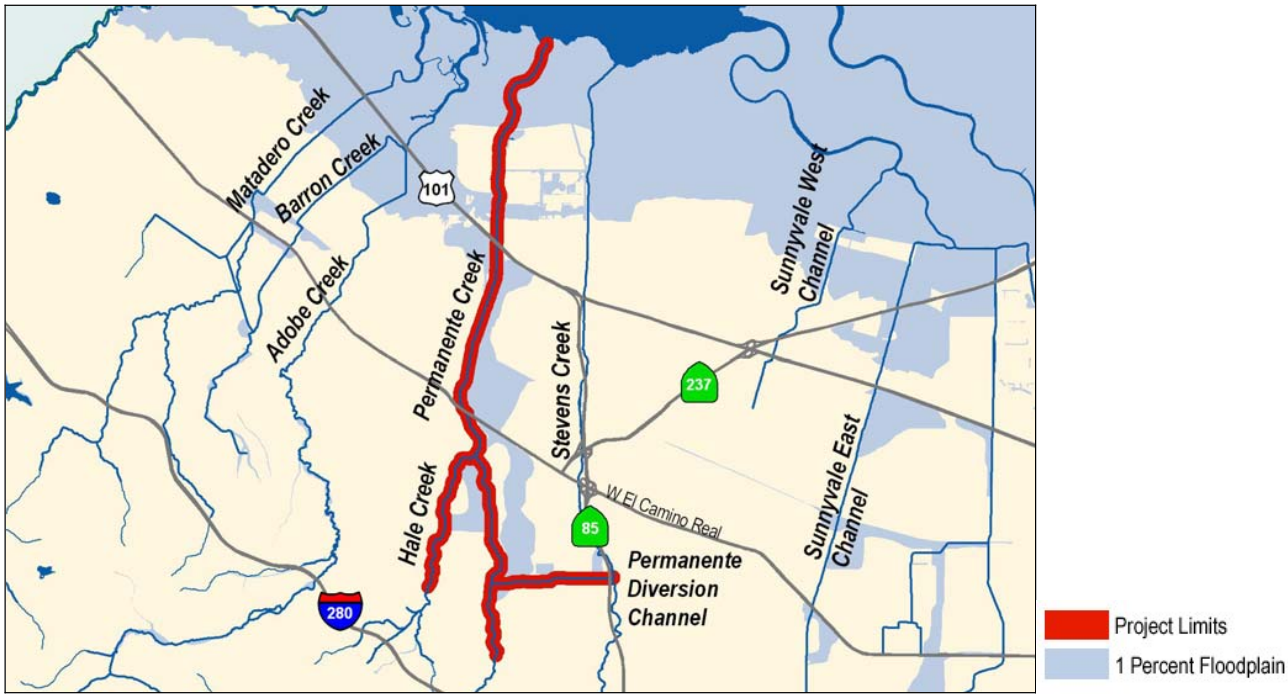
Permanente Creek, looking upstream at the golf course foot bridge

PROJECT DESCRIPTION

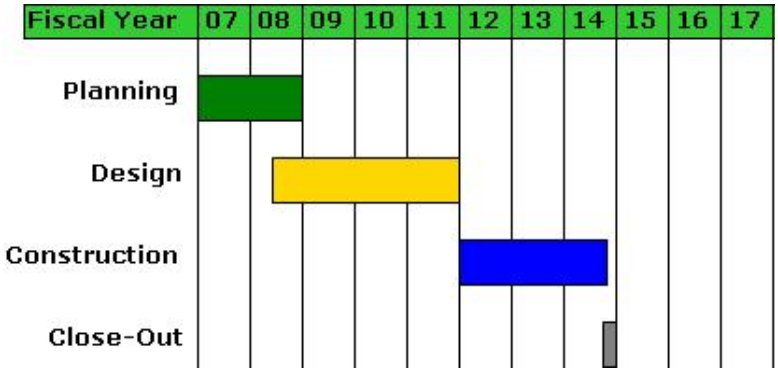
This project plans, designs, and constructs improvements along 10.6 miles of Permanente Creek, from San Francisco Bay to Foothill Expressway, Hale Creek from Foothill Expressway to its confluence with Permanente Creek, and the diversion structure between Permanente and Stevens Creeks, to accomplish the following objectives:

- Provide flood protection to 1,664 parcels, including Middlefield Road and Central Expressway.
- Reduce erosion and sedimentation, reduce maintenance costs, and improve safety and stability of the failing channel on Permanente Creek from the San Francisco Bay to Foothill Expressway.
- Provide environmental restoration and enhancement benefits, where opportunities exist.
- Provide recreation enhancements, where opportunities exist.
- Provide natural flood protection by taking a multiple-objective approach.

PROJECT LOCATION



PROJECT SCHEDULE
July 2001 to June 2014



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Permanente Creek, Bay to Foothill Expressway	9,526	830	1,612	2,295	1,825	1,700	10,400	19,850	48,038
with inflation	9,526	830	1,612	2,364	1,936	1,858	13,373	27,303	58,801

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Permanente Creek, Bay to Foothill Expwy – Lower Peninsula Fund	10,947	995	1,586	26	484	0	0	0	0	12,452
Permanente Creek, Bay to Foothill Expwy – Clean Safe Creeks Fund	0	0	0	0	1,880	1,936	1,858	13,373	27,303	46,349
TOTAL	10,947	995	1,586	26	2,364	1,936	1,858	13,373	27,303	58,801

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Lower Peninsula Fund	12,452
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	46,349
Total	58,801

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $100,000 per year.

USEFUL LIFE: 30+ Years

Project	San Francisquito Creek, San Francisco Bay through Searsville Dam
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	73
Project No.	10284007S
District Contact	Beau Goldie bgoldie@valleywater.org

San Francisquito Creek, looking downstream from the Waverly Street Bicycle Bridge between Middlefield Road and El Camino

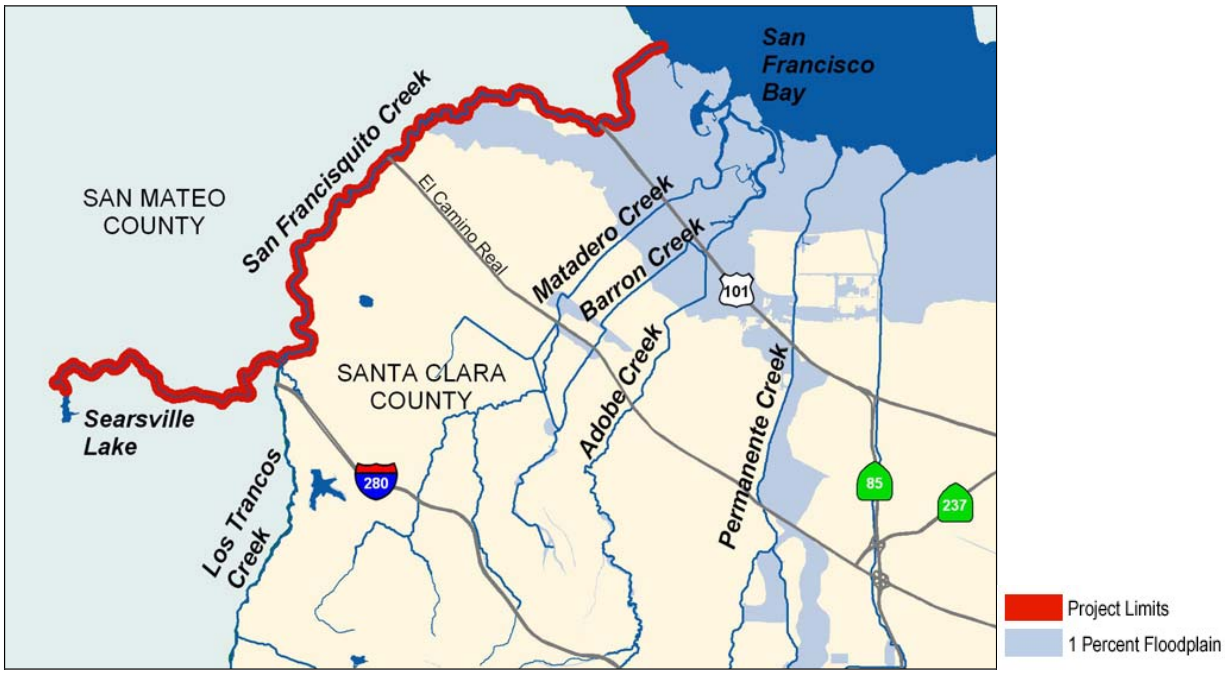
PROJECT DESCRIPTION

This project provides coordination and support to the San Francisquito Joint Powers Authority, in partnership with the U.S. Army Corps of Engineers, to complete planning and design documents for an approved project alternative on San Francisquito Creek, from San Francisco Bay through Searsville Dam, to accomplish the following objectives:

- Provide flood protection.
- Reduce bank erosion and sedimentation-related impacts along San Francisquito Creek.
- Avoid potential adverse impacts on fish and wildlife habitats.
- Minimize impacts to the creek's environmental resources and restore the riparian corridor where feasible.
- Develop public support for the preferred alternative.

This project is funded through the planning and design phases only. The scope, schedule, costs, and funding sources of the construction phase will be determined upon the completion of the planning phase.

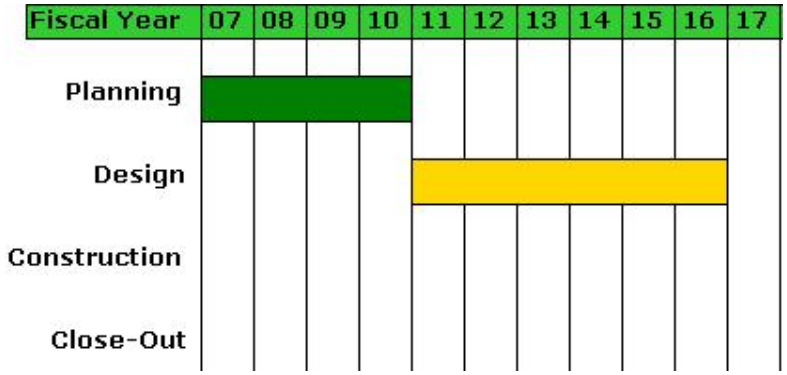
PROJECT LOCATION



PROJECT SCHEDULE

July 2004 to June 2016

(Planning & Design Phases Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
San Francisquito Creek, SF Bay through Searsville Dam	1,631	510	1,127	590	5,053	2,448	2,448	2,767	16,574
with inflation	1,631	510	1,127	608	5,361	2,675	2,755	3,264	17,931

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
San Francisquito Creek, SF Bay through Searsville Dam – Lower Peninsula Fund	4,000	0	1,859	0	0	4,334	0	0	0	8,334
San Francisquito Creek, SF Bay through Searsville Dam – Clean Safe Creeks Fund	0	0	0	0	0	903	2,675	2,755	3,264	9,597
TOTAL	4,000	0	1,859	0	0	5,236	2,675	2,755	3,264	17,931

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

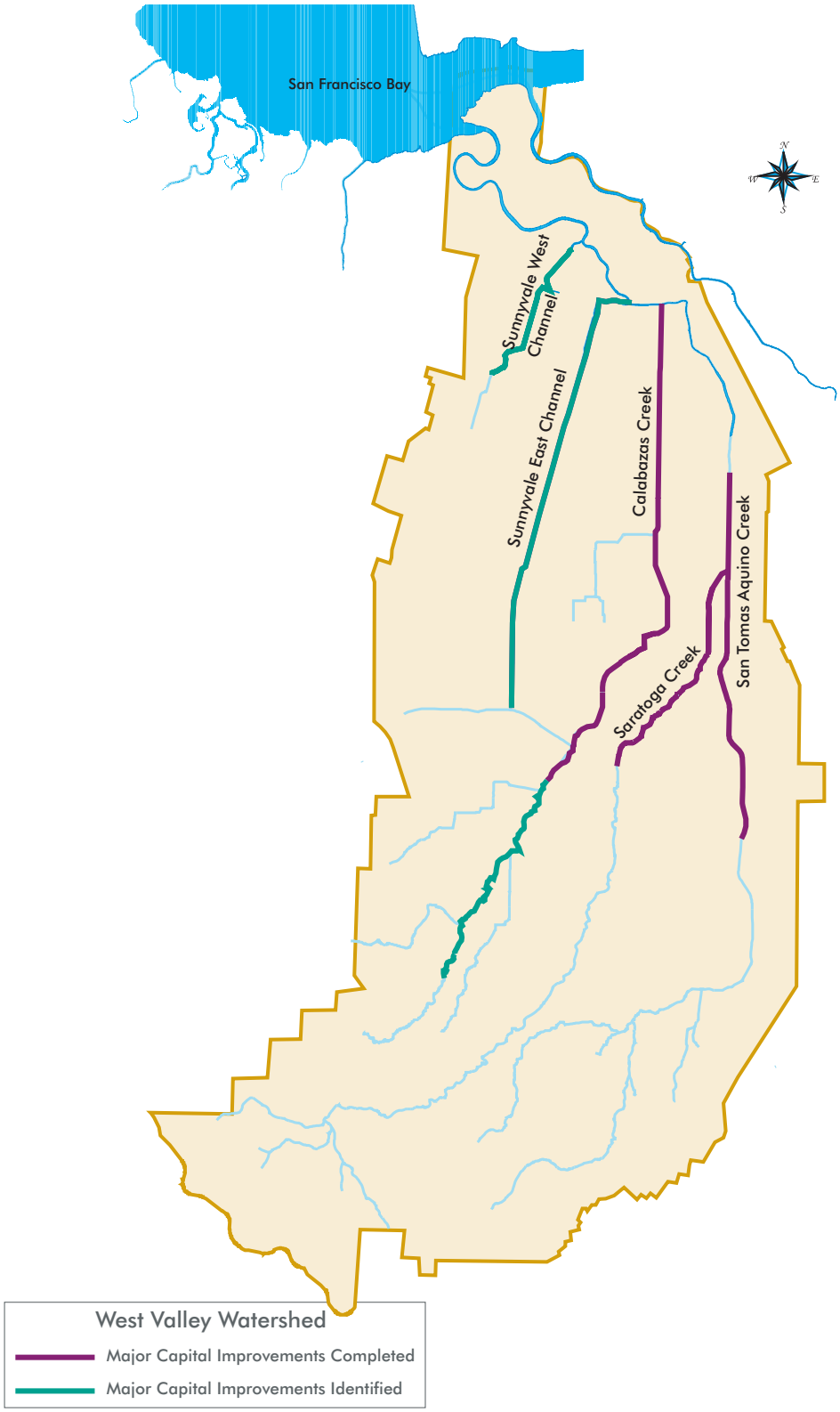
SCVWD Lower Peninsula Fund	8,334
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	9,597
Total	17,931
Federal - U.S. Army Corps of Engineers	3,000
County of San Mateo	1,500

County and Corps participation are for Feasibility Study activities only.
Additional funding will be negotiated during subsequent phases.

OPERATING COST IMPACTS

Planning and Design Phases Only: The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 30+ Years



West Valley Watershed Project Pages

Project	**Calabazas Creek, Bollinger Bridge**
Program	Flood Protection – West Valley Watershed
Priority No.	51
Project No.	20104015
District Contact	Beau Goldie bgoldie@valleywater.org

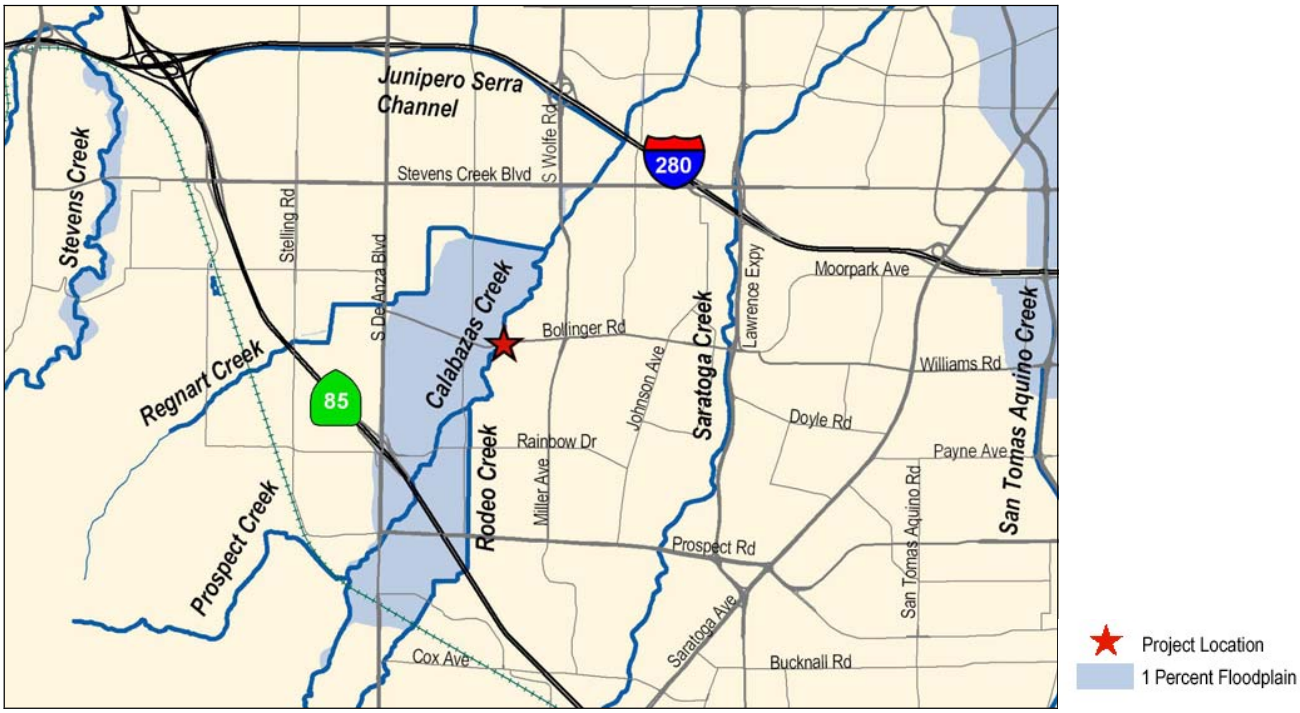
Calabazas Creek at Bollinger Bridge, looking upstream. Road narrows at the bridge. Project will improve pedestrian and bicycle safety.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to Bollinger Bridge at Calabazas Creek, to accomplish the following objectives:

- Provide one-percent flood protection to adjacent residential properties and streets.
- Restore vegetation and habitat.
- Improve traffic and pedestrian capacity.
- Remove failing abandoned bridge structure.

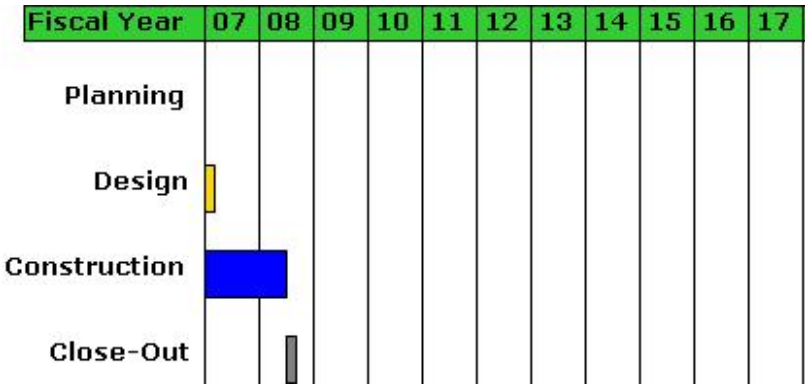
PROJECT LOCATION



PROJECT SCHEDULE

August 2000 to February 2008

Planning phase is complete. Construction phase includes demolition of the old bridge that began in 2005. The new bridge construction contract was awarded in May 2007.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Calabazas Creek, Bollinger Bridge	1,864	3,120	629	42	0	0	0	0	5,655
with inflation	1,864	3,120	629	43	0	0	0	0	5,656

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Calabazas Creek, Bollinger Bridge	3,137	2,500	653	0	19	0	0	0	0	5,656

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD West Valley Fund	5,656
Other Funding Source	0
Total	**5,656**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase the operating costs by approximately $15,000 per year.

USEFUL LIFE: 30+ Years

Project	**Calabazas Creek, Capacity Improvement**
Program	Flood Protection – West Valley Watershed
Priority No.	68
Project No.	20104018
District Contact	Katherine Oven koven@valleywater.org

Calabazas Creek, downstream of the El Camino Real Bridge (looking upstream)

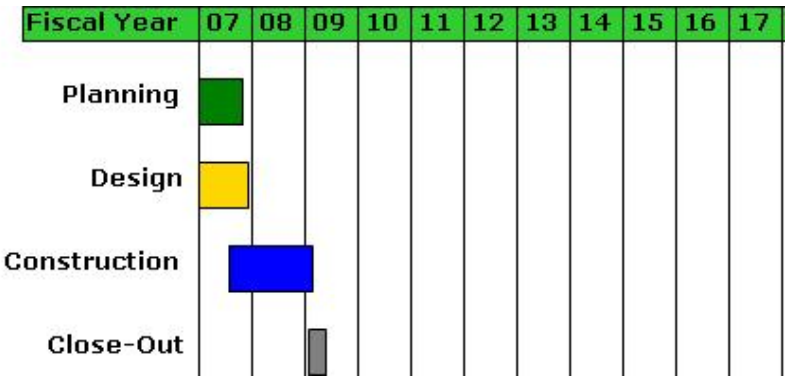
PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 2 miles of Calabazas Creek, from Central Expressway to Miller Avenue, to accomplish the following objectives:

- Provide one-percent flood protection to 2,250 parcels.
- Correct invert erosion along Calabazas Creek downstream of Miller Avenue.

PROJECT LOCATION

PROJECT SCHEDULE
January 2005 to November 2008



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Calabazas Creek, Capacity Improvement	885	2,982	891	230	0	0	0	0	4,988
with inflation	885	2,982	891	237	0	0	0	0	4,995

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Calabazas Creek, Capacity Improvement	2,000	2,446	579	526	23	0	0	0	0	4,995

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.
Project funding exceeds planned expenditures in FY 2008 by approximately $214,000. This funding will be used to partially fund expenditures in FY 2009.

FUNDING SOURCES
(in thousands $)

SCVWD West Valley Fund	4,995
Other Funding Source	0
Total	4,995

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 30+ Years

Project	Calabazas Creek, Miller Avenue to Wardell Road
Program	Flood Protection – West Valley Watershed
Priority No.	51
Project No.	26104001
District Contact	Katherine Oven koven@valleywater.org

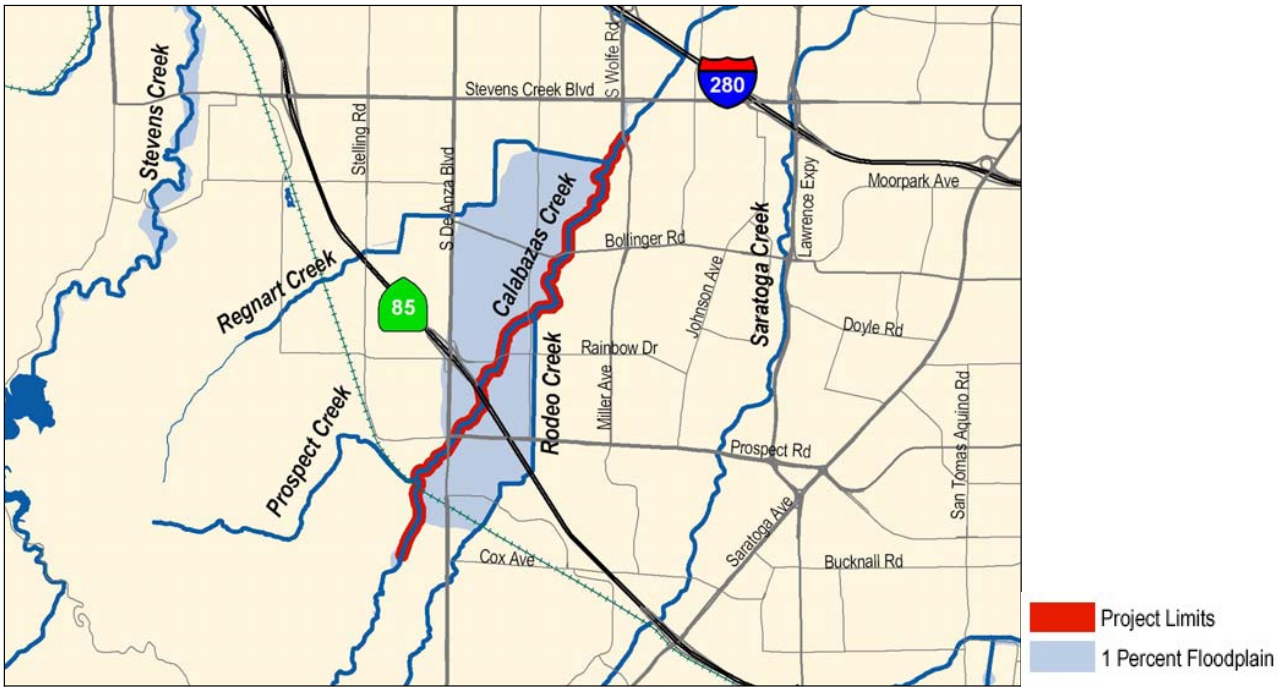
Calabazas Creek overtops its banks in February 1986 near Miller Avenue, flooding neighborhood streets.

PROJECT DESCRIPTION

This project plans, design, and constructs improvements along 3.3 miles of Calabazas Creek from Miller Avenue to Wardell Road to accomplish the following objectives:

- Provide one-percent flood protection on Calabazas Creek from Miller Avenue to Wardell Road.
- Reduce erosion, sedimentation, and maintenance costs.
- Provide environmental restoration and enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.

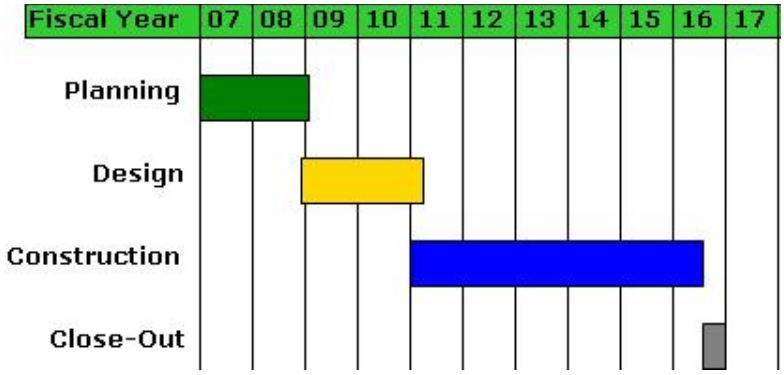
PROJECT LOCATION



PROJECT SCHEDULE

December 2003 to June 2016

Construction Phase includes 3 years of plant establishment monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Calabazas Creek, Miller Ave. to Wardell Rd.	2,373	2,020	1,154	1,288	9,350	6,200	6,150	6,530	35,065
with inflation	2,373	2,020	1,154	1,327	11,206	8,328	7,941	8,798	43,147

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Calabazas Creek, Miller Ave. to Wardell Rd.	4,686	1,471	1,764	0	717	11,206	8,328	7,941	8,798	43,147

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	43,147
Other Funding Source	0
Total	43,147

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 30+ Years

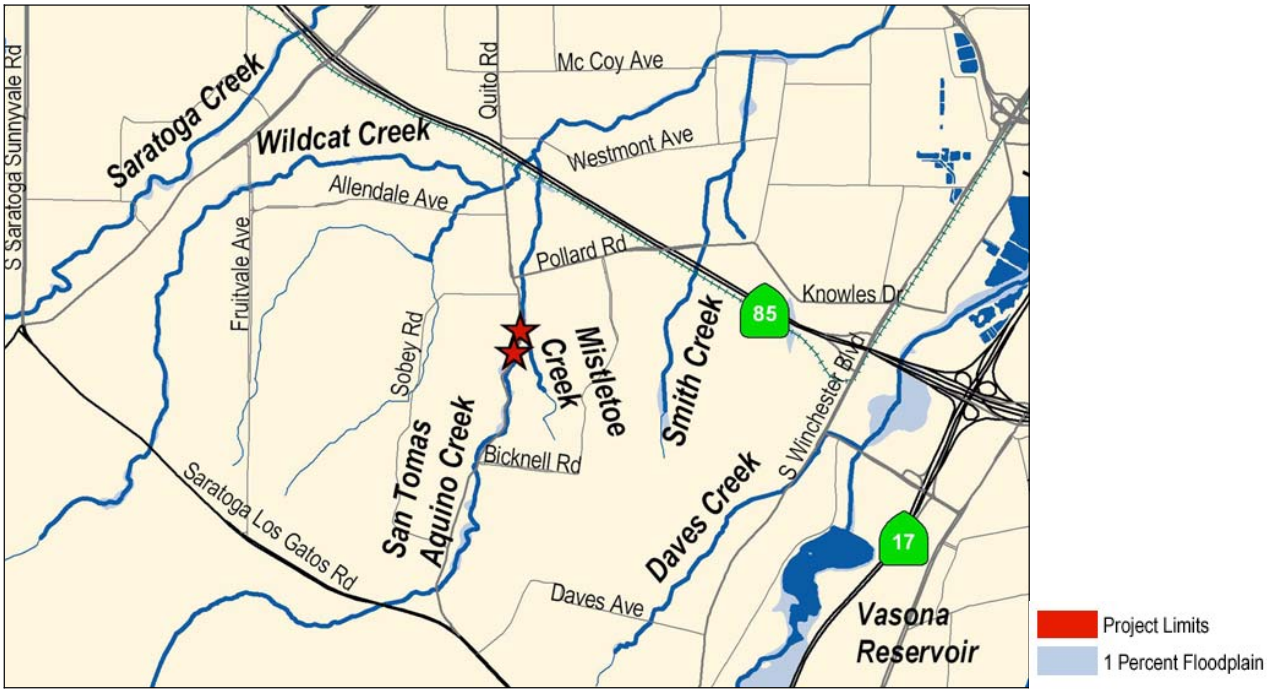
Project	**San Tomas Creek, Quito Road Bridges Replacement**
Program	Flood Protection – West Valley Watershed
Priority No.	33
Project No.	20194005
District Contact	Beau Goldie bgoldie@valleywater.org

San Tomas Aquino Creek, looking upstream at one of the Quito Road bridge crossings and an adjacent pedestrian footbridge.

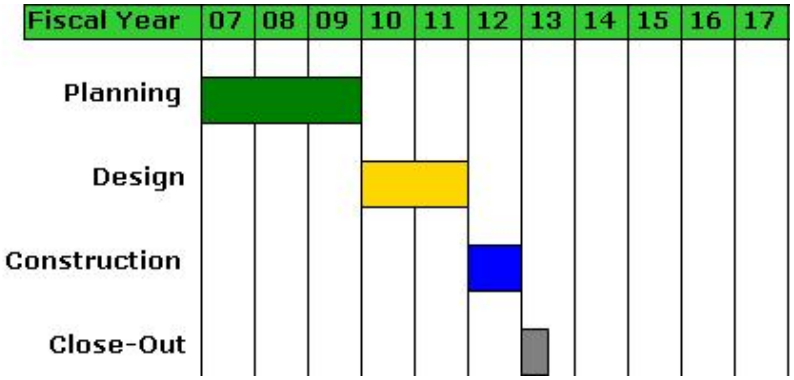
PROJECT DESCRIPTION

This project partners with the City of Saratoga, the Town of Los Gatos, and Caltrans to plan, design, and construct two bridge replacements on San Tomas Aquino Creek at Quito Road, to provide one-percent flood protection.

PROJECT LOCATION



PROJECT SCHEDULE
July 2001 to December 2012



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
San Tomas Creek, Quito Road Bridges Replacement	418	0	0	0	0	0	0	0	418
with inflation	418	0	0	0	0	0	0	0	418

Actuals include project expenditures and encumbrances. The cost of the District's share of this work has already been encumbered.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
San Tomas Creek, Quito Road Bridges Replacement	696	0	278	0	0	0	0	0	0	696

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.
The total planned expenditure is $278,000 less than the available project funding. The unspent budget will be returned to reserves at the end of the project.

FUNDING SOURCES
(in thousands $)

SCVWD West Valley Fund	696
Other Funding Source	0
Total	696
City of Saratoga—6.6%	156
Town of Los Gatos—6.6%	156
Highway Bridge Replacement and Rehabilitation Program—CALTRANS—80 %	1,868

OPERATING COST IMPACTS
Operating budget will be unchanged since the facility is owned by the City.

USEFUL LIFE: 30+ Years

Project	Sunnyvale East and West Channel Planning
Program	Flood Protection – West Valley Watershed
Priority No.	80
Project No.	26074002
District Contact	Katherine Oven koven@valleywater.org

Sunnyvale West Channel looking upstream from Java Drive

PROJECT DESCRIPTION

This project plans improvements to approximately 6.4 miles of the Sunnyvale East Channel, from Guadalupe Slough to Interstate 280, and 2.3 miles of the Sunnyvale West Channel, from Guadalupe Slough to Highway 101, to accomplish the following objectives:

- Provide flood protection on Sunnyvale East and West Channels.
- Provide environmental enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.
- Reduce erosion, sedimentation, and maintenance costs.
- Protect fish and wildlife habitat.

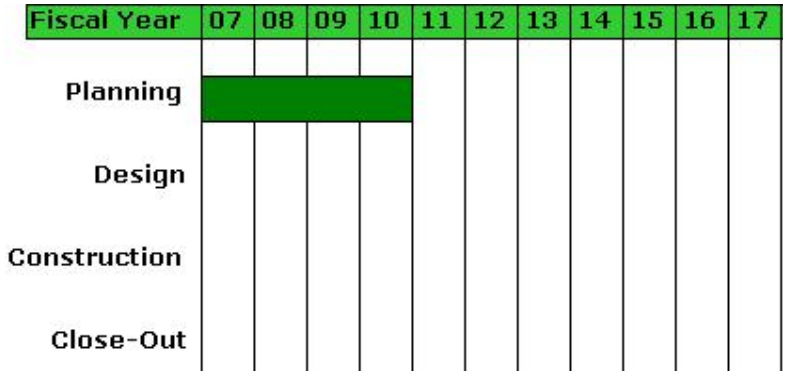
The Sunnyvale East and Sunnyvale West Channels were originally identified as separate projects. In order to improve efficiency by combining efforts, the planning phase for both projects will be performed as a single effort. After completion of planning, the design and construction phases for each project will be undertaken separately; one project for each channel.

PROJECT LOCATION

PROJECT SCHEDULE

March 2006 to June 2010

(Planning Phase Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Sunnyvale East and West Channel Planning	150	1,896	2,891	1,508	865	0	0	0	7,310
with inflation	150	1,896	2,891	1,553	918	0	0	0	7,408

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Sunnyvale East and West Channel Planning	344	1,854	152	2,739	1,553	918	0	0	0	7,408

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	7,408
Other Funding Source	0
Total	**7,408**

OPERATING COST IMPACTS

Planning Phase Only: The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 30+ Years

Project	Sunnyvale East Channel Design & Construction, Guadalupe Slough to Interstate 280
Program	Flood Protection – West Valley Watershed
Priority No.	80
Project No.	26C40232
District Contact	Katherine Oven koven@valleywater.org

Erosion along the Sunnyvale East Channel

PROJECT DESCRIPTION

This project designs and constructs improvements along approximately 6.4 miles of the Sunnyvale East Channel, from Guadalupe Slough to Interstate 280, to accomplish the following objectives:

- Provide flood protection on Sunnyvale East Channel.
- Provide environmental enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.
- Reduce erosion and sedimentation.
- Improve water quality.
- Reduce maintenance costs.

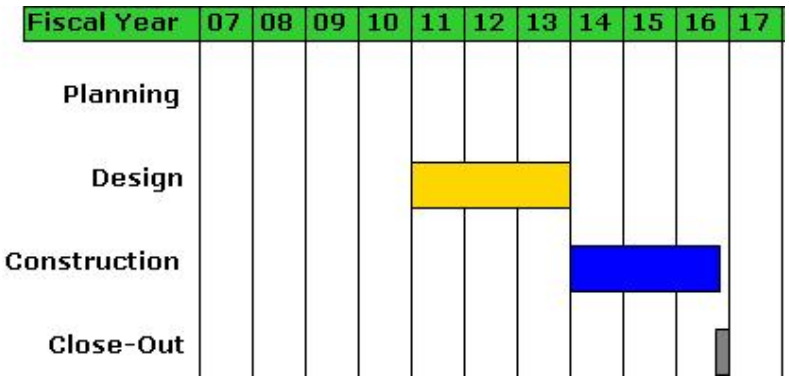
In order to improve efficiency by combining efforts, the planning phase for this project was combined with the Sunnyvale West Channel in a separate project.

PROJECT LOCATION

PROJECT SCHEDULE

July 2010 to June 2016

Planning Phase is scheduled as a separate project and combined with Sunnyvale West Channel.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Sunnyvale East Channel Design & Construct, Guadalupe Slough to Interstate 280	0	0	0	0	0	3,746	3,746	85,601	93,093
with inflation	0	0	0	0	0	4,093	4,216	122,544	130,853

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Sunnyvale East Channel Design & Construct, Guadalupe Slough to Interstate 280	0	0	0	0	0	0	4,093	4,216	122,544	130,853

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	130,853
Other Funding Source	0
Total	130,853

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years

Project	**Sunnyvale West Channel Design and Construction, Guadalupe Slough to Highway 101**
Program	Flood Protection – West Valley Watershed
Priority No.	50
Project No.	26C40234
District Contact	Katherine Oven koven@valleywater.org

Sunnyvale West flooding upstream of Caribbean Drive in 1983.

PROJECT DESCRIPTION

This project designs, and constructs improvements on 2.3 miles of the Sunnyvale West Channel, from Guadalupe Slough to Highway 101, to accomplish the following objectives:

- Provide flood protection on Sunnyvale West Channel.
- Provide environmental enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.
- Reduce erosion and sedimentation.
- Reduce maintenance costs.
- Protect fish and wildlife habitat.

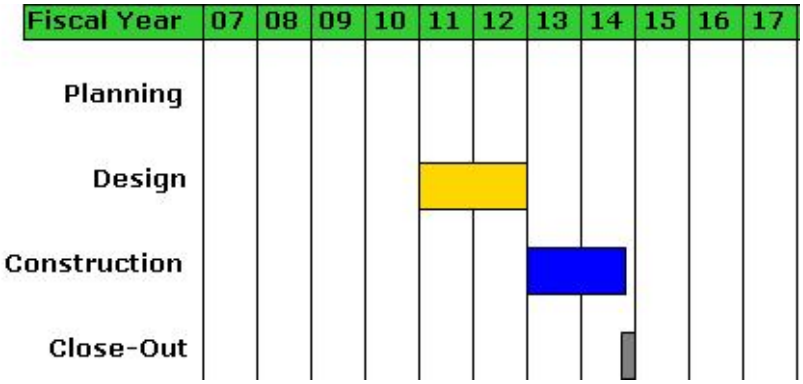
In order to improve efficiency by combining efforts, the planning phase for this project was combined with the Sunnyvale East Channel in a separate project.

PROJECT LOCATION

PROJECT SCHEDULE

July 2010 to June 2014

Planning Phase is scheduled as a separate project and combined with the Sunnyvale East Channel.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Sunnyvale West Channel Design & Construct, Guadalupe Slough to Hwy. 101	0	0	0	0	0	904	904	8,019	9,827
with inflation	0	0	0	0	0	988	1,017	10,798	12,803

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Sunnyvale West Channel Design & Construct, Guadalupe Slough to Hwy. 101	0	0	0	0	0	0	988	1,017	10,798	12,803

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	12,803
Other Funding Source	0
Total	12,803

OPERATING COST IMPACTS

Operating budget impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years

FLOOD PROTECTION CAPITAL IMPROVEMENTS

Guadalupe Watershed Project Pages

Project	**Guadalupe River–Lower, Alviso Marina to Interstate 880**
Program	Flood Protection – Guadalupe Watershed
Priority No.	91
Project No.	30154011
District Contact	Katherine Oven koven@valleywater.org

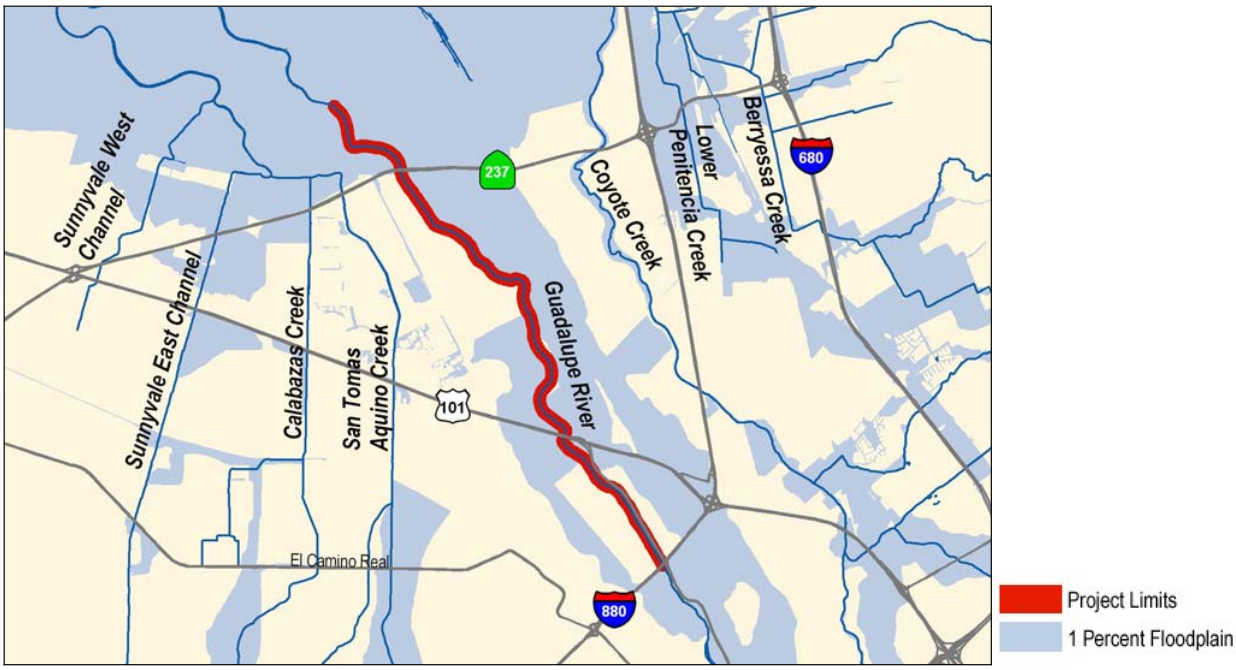
Floodwall construction on Lower Guadalupe River, July 2003

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 6 miles of lower Guadalupe River, from the Alviso Marina to Interstate 880 to accomplish the following objectives:

- Eliminate the potential for flood damage to people and to property during a one-percent flood event along the lower Guadalupe River.
- Reduce bank erosion and sedimentation-related impacts along the lower Guadalupe River.
- Avoid potential adverse impacts on fish and wildlife habitats.
- Minimize impacts to the creek's environmental resources and restore some of the lost historic functions and value of the riparian corridor where feasible.
- Provide long-term riparian habitat improvement to offset impacts that result from the construction of flood control facilities.
- Provide mitigation for unavoidable adverse impacts on environmental resources.
- Provide opportunities to protect and enhance the existing wetlands and riparian habitat, and improve conditions favoring Chinook salmon and steelhead trout.
- Provide, where possible, continuous maintenance access along the river, which can be used as a trail.
- Identify potential project impacts on Alviso and bayland areas and mitigate for unavoidable adverse impacts.
- Specify best management practices to protect water quality.

PROJECT LOCATION

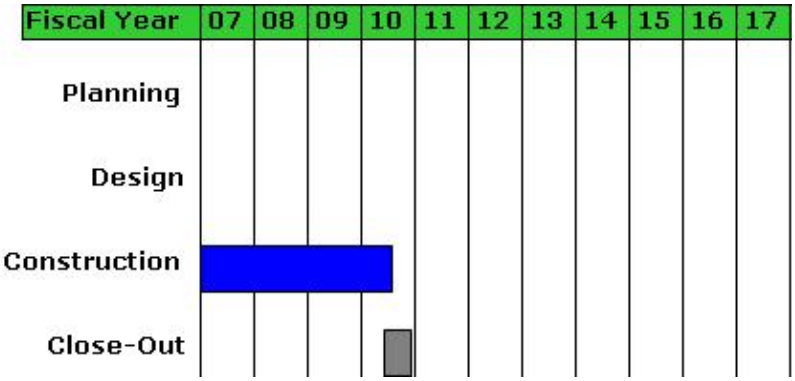


PROJECT SCHEDULE

June 1999 to May 2010

Construction phase includes 3 years of plant establishment monitoring.

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Guadalupe River–Lower, Alviso Marina to I-880	81,785	5,341	2,249	95	70	0	0	0	89,540
with inflation	81,785	5,341	2,249	98	74	0	0	0	89,547

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Guadalupe River–Lower, Alviso Marina to I-880	81,994	5,334	202	2,106	39	74	0	0	0	89,547

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Guadalupe Fund	87,221
City of San Jose	2,326
Total	89,547

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $455,000 per year.

USEFUL LIFE: 30+ Years

Project	**Guadalupe River–Downtown, Interstate 880 to Interstate 280**
Program	Flood Protection – Guadalupe Watershed
Priority No.	67
Project No.	30154013S
District Contact	Katherine Oven koven@valleywater.org

West bank of the Guadalupe River, looking upstream from the Coleman Bridge, in September 2005

PROJECT DESCRIPTION

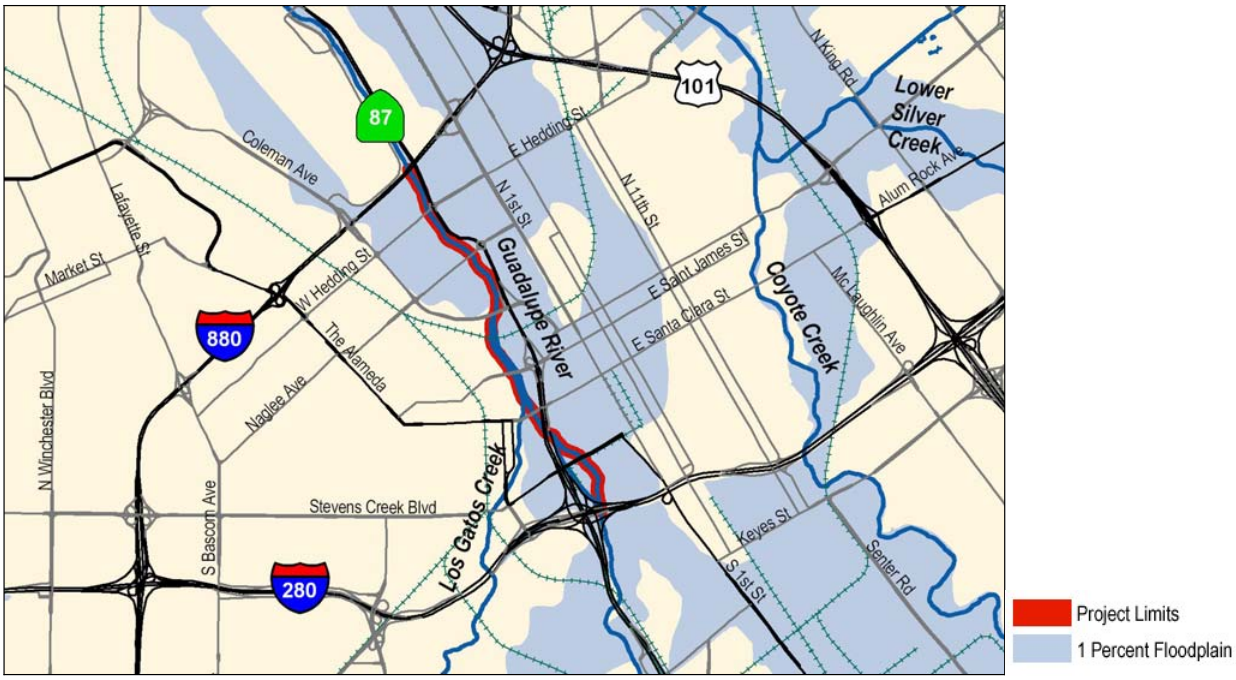
This project partners with the U.S. Army Corps of Engineers (Corps), State of California, City of San Jose, and San Jose Redevelopment Agency to plan, design, and construct improvements along 2.6 miles of the Guadalupe River, from Interstate 880 to Interstate 280, to accomplish the following objectives:

- Provide one-percent flood protection to downtown San Jose's technology and commercial industries and residential neighborhoods.
- Protect and improve water quality of the river.
- Preserve and enhance the river's habitat, fish and wildlife.
- Provide recreational and open space benefits in cooperation with the U.S. Army Corps of Engineers (Corps), City of San Jose, and San Jose Redevelopment Agency.

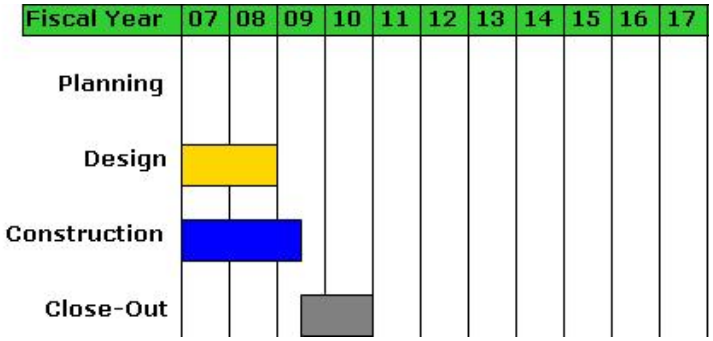
This project is accounted for in the following job numbers:

30154013—Interstate 880 to Heading
30154014—Hedding to Coleman
30154015—Coleman to Santa Clara
30154016—Santa Clara to Park
30154017—Woz Way to Interstate 280
30154018—Guadalupe River, Escrow

PROJECT LOCATION



PROJECT SCHEDULE
March 1990 to June 2010



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Guadalupe Rv–DT, I-880 to Hedding	1,135	40	443	50	150	0	0	0	1,818
with inflation	1,135	40	443	52	159	0	0	0	1,829
Guadalupe Rv–DT, Hedding-Coleman	9,981	60	510	121	100	0	0	0	10,772
with inflation	9,981	60	510	125	106	0	0	0	10,782
Guadalupe Rv–DT, Coleman-W. Santa Clara	27,488	260	6,372	218	300	0	0	0	34,638
with inflation	27,488	260	6,372	225	318	0	0	0	34,663
Guadalupe Rv–DT, W. Santa Clara to Park	10,256	140	1,313	50	100	0	0	0	11,859
with inflation	10,256	140	1,313	52	106	0	0	0	11,867
Guadalupe Rv–DT, Woz to I-280	8,384	400	1,211	50	100	0	0	0	10,145
with inflation	8,384	400	1,211	52	106	0	0	0	10,153
Guadalupe Rv–DT, Escrow	36,014	130						0	36,144
with inflation	36,014	130						0	36,144
TOTAL	**93,258**	**1,030**	**9,849**	**489**	**750**	**0**	**0**	**0**	**105,376**
with inflation	**93,258**	**1,030**	**9,849**	**504**	**796**	**0**	**0**	**0**	**105,436**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Fund	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Guadalupe Rv–DT, I-880 to Hedding	1,593	42	460	0	35	159	0	0	0	1,829
Guadalupe Rv–DT, Hedding to Coleman	10,466	44	469	41	125	106	0	0	0	10,782
Guadalupe Rv-DT, Coleman-W. Santa Clara	27,962	4,683	4,897	1,475	225	318	0	0	0	34,663
Guadalupe Rv–DT, W. Santa Clara to Park	10,458	1,491	1,553	0	0	0	0	0	0	11,949
Guadalupe Rv–DT, Woz to I-280	8,539	1,435	1,190	21	52	106	0	0	0	10,153
Guadalupe Rv–DT, Escrow	36,144	0	0	0	0	0	0	0	0	36,144
TOTAL	**95,162**	**7,695**	**8,569**	**1,537**	**435**	**690**	**0**	**0**	**0**	**105,519**

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.
The total planned expenditure is $82,000 less than the available funding. Unspent budget will go to reserves at the end of the project.

FUNDING SOURCES
(in thousands $)

SCVWD Guadalupe Fund	58,227
State of California	29,795
City of San Jose	7,593
City of San Jose Redevelopment Agency	9,904
Total	**105,519**
Federal - Corps of Engineers	158,000

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operations costs by approximately $350,000 per year, including adaptive management and monitoring costs in accordance with the Mitigation and Monitoring Plan.

USEFUL LIFE: 100 Years

Project	**Guadalupe River–Upper, Interstate 280 to Blossom Hill Road**
Program	Flood Protection – Guadalupe Watershed
Priority No.	69
Project No.	26154001S
District Contact	Katherine Oven koven@valleywater.org

Flooding from Guadalupe River on Willow Street near the Southern Pacific Railroad Bridge

PROJECT DESCRIPTION

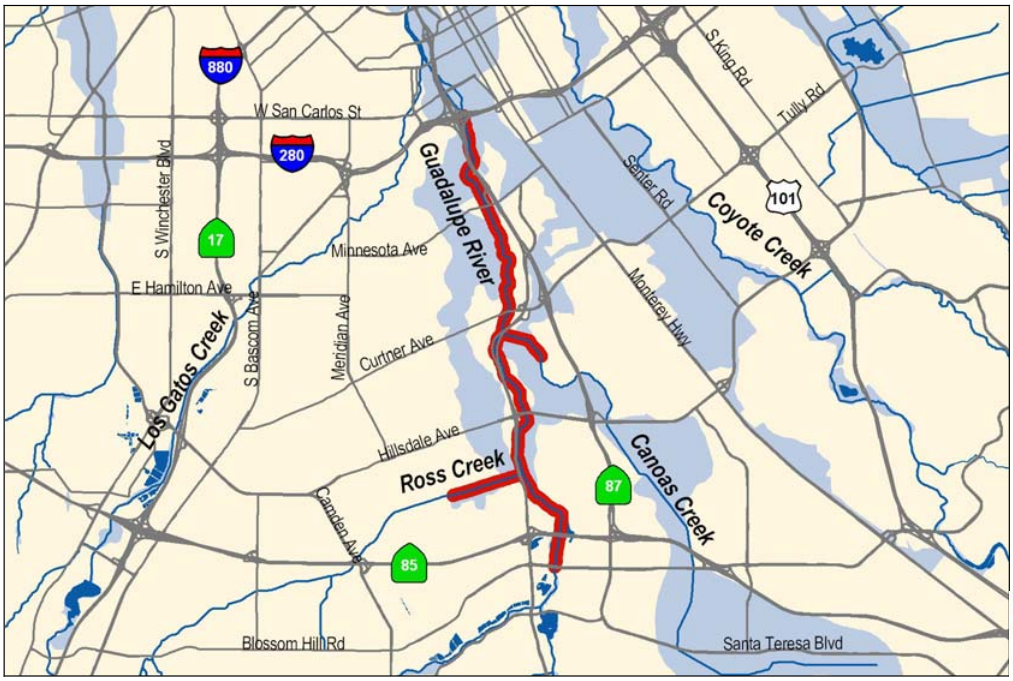
This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 6 miles of the Guadalupe River, from Interstate 280 to Blossom Hill Road, to accomplish the following objectives:

- Provide one-percent flood protection on upper reaches of Guadalupe River, from I-280 to Blossom Hill Road, including portions of Ross Creek and Canoas Creek, and an additional lower reach from Hwy 101 to I-280.
- Provide long-term net gains of 15 acres in riparian forest acreage, quality, and continuity of wildlife habitat, and conditions favoring Chinook salmon and steelhead trout.
- Provide access to an additional 19 miles of suitable upstream spawning and rearing habitat, which would result in significant long-term beneficial impacts on fisheries resources.
- Provide opportunity to incorporate a continuous 6-mile trail by connecting the trail at Interstate 280 to the Alamitos Creek trail.
- Improve water quality by reducing bank erosion and sedimentation-related impacts along the river and tributaries.
- Address and resolve permit coordination activities and watershed integration issues through the Guadalupe Watershed Integration Working Group.

This project is accounted for in the following job numbers:

26154001—Fish Passage Modification
26154002—I-280 to Southern Pacific Railroad Bridge (Reach 6)
26154003—Southern Pacific Railroad Bridge to Blossom Hill Road (Reach 7-12)

PROJECT LOCATION

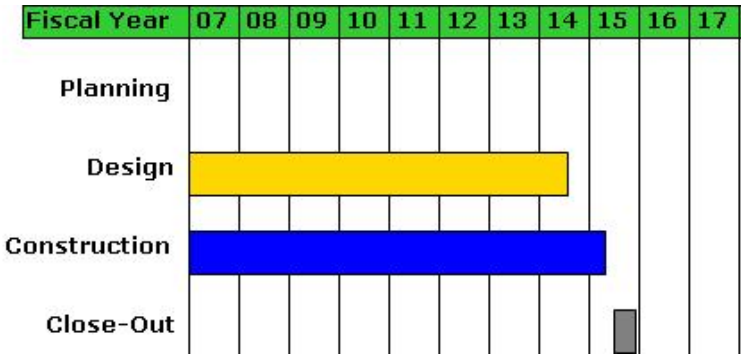


Project Limits
1 Percent Floodplain

PROJECT SCHEDULE

July 2001 to May 2015

Planning Phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Guadalupe River–Upper, Fish Passage Modifications	1,225	100	1,260	250	0	0	0	0	2,835
with inflation	1,225	100	1,260	258	0	0	0	0	2,843
Guadalupe River–Upper, I-280-SPRR (R6)	3,727	6,780	2,606	22,860	2,375	0	0	0	38,348
with inflation	3,727	6,780	2,606	27,536	2,520	0	0	0	43,168
Guadalupe River–Upper, SPRR-Blossom Hill (R7-12)	10,841	1,039	17,405	10,134	1,039	3,793	11,189	12,020	67,460
with inflation	10,841	1,039	17,405	10,653	1,271	4,145	14,155	15,971	75,480
Actuals in closed project numbers	7,887	0	0	0	0	0	0	0	7,887
with inflation	7,887	0	0	0	0	0	0	0	7,887
TOTAL	23,680	7,919	21,271	33,244	3,414	3,793	11,189	12,020	116,530
with inflation	23,680	7,919	21,271	38,447	3,790	4,145	14,155	15,971	129,378

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Fund	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Guadalupe River–Upper, Fish Passage Modifications	1,891	143	709	551	258	0	0	0	0	2,843
Guadalupe River–Upper, I-280-SPRR (R6)	3,914	7,824	1,231	1,375	27,536	2,520	0	0	0	43,168
Guadalupe River–Upper, SPRR-Blossom Hill (R7-12)	23,550	0	11,670	5,735	10,653	1,271	4,145	14,155	15,971	75,480
Budget to closed project numbers	7,887		0	0	0	0	0	0	0	7,887
TOTAL	37,242	7,967	13,610	7,661	38,447	3,790	4,145	14,155	15,971	129,378

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	88,993
State of California	36,700
City of San Jose	3,685
Total	129,378
Federal—Corps of Engineers	40,200

OPERATING COST IMPACTS

The completion of this project is expected to increase operating costs by approximately $480,000 per year.

USEFUL LIFE: 100 Years

FLOOD PROTECTION CAPITAL IMPROVEMENTS

Coyote Watershed Project Pages

Project	**Berryessa Creek, Calaveras Boulevard to Old Piedmont Road**
Program	Flood Protection – Coyote Watershed
Priority No.	53
Project No.	26174041S
District Contact	Katherine Oven koven@valleywater.org

Berryessa Creek near flood stage at Piedmont Road in San Jose.

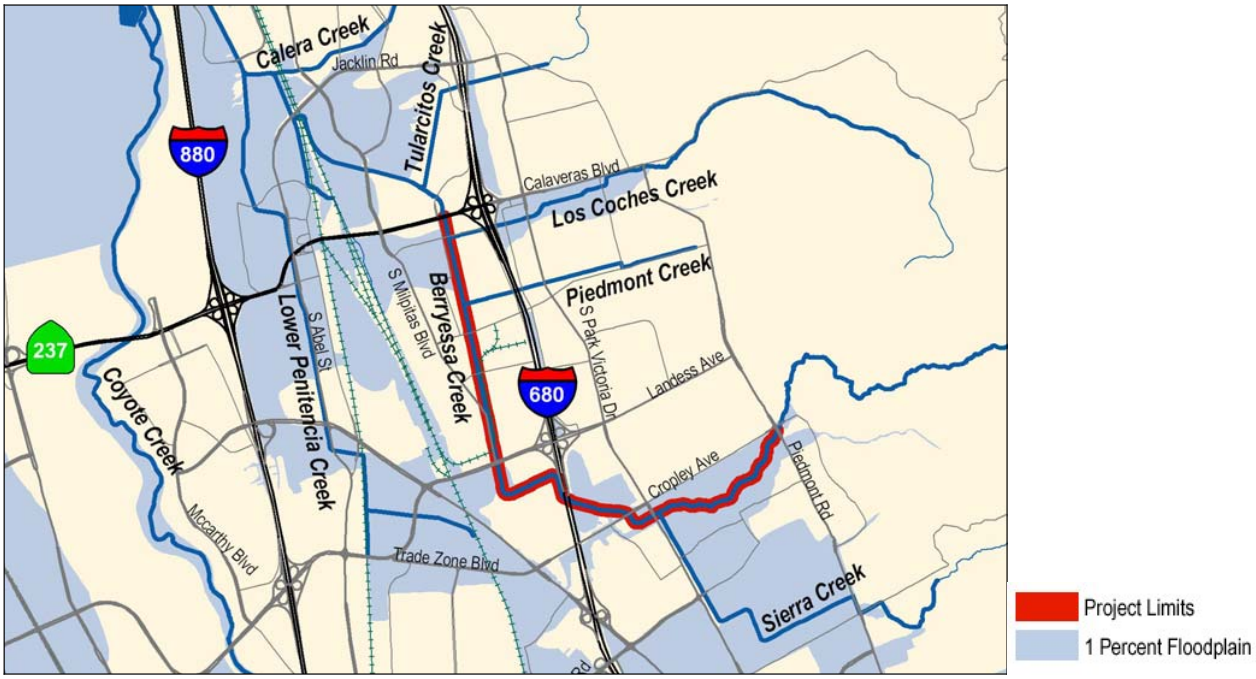
PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 4.3 miles of Berryessa Creek, from Calaveras Boulevard to Old Piedmont Road, to accomplish the following objectives:

- Provide one-percent flood protection to more than 2,900 homes, businesses, and public buildings.
- Reduce sedimentation and maintenance requirements.
- Mitigate for project impacts.
- Improve stream habitat values.
- Identify opportunities to integrate recreation improvements consistent with the Cities of San Jose's and Milpitas' Trail Master Plans.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives.

This project is accounted for in the following job numbers:
26174041—Coordination with Corps
26174042—Reimbursable work—Lands, Easements, Rights of Way, Relocations and Disposal (LERRDs)

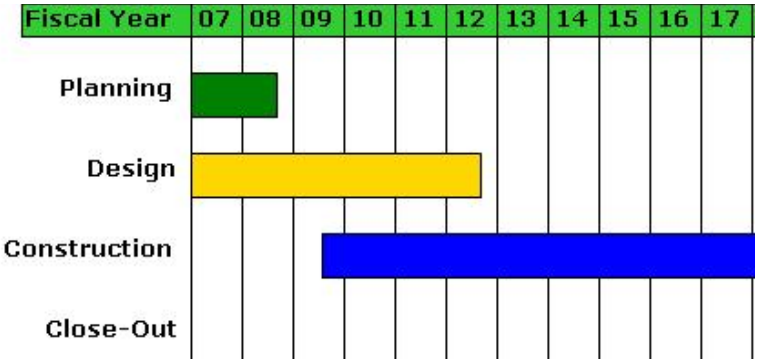
PROJECT LOCATION



PROJECT SCHEDULE

January 2000 to December 2018

Construction includes two contract phases and three years of plant establishment monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Berryessa Creek, Calaveras Blvd to Old Piedmont, Corps Coordination	3,655	250	1,494	745	2,620	220	140	365	9,489
with inflation	3,655	250	1,494	1,163	2,780	240	158	446	10,185
Berryessa Creek, Calaveras Blvd to Old Piedmont—LERRDs	236	128	3,181	1,040	4,555	253	253	564	10,210
with inflation	236	128	3,181	1,071	5,839	276	285	679	11,695
TOTAL	3,891	378	4,675	1,785	7,175	473	393	929	19,699
with inflation	3,891	378	4,675	2,234	8,618	517	442	1,125	21,880

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Fund	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Berryessa Creek, Calaveras Blvd to Old Piedmont, Corps Coordination	3,633	1,047	775	719	1,163	2,780	240	158	446	10,185
Berryessa Creek, Calaveras Blvd to Old Piedmont—LERRDs	1,634	0	1,270	1,911	1,071	5,839	276	285	679	11,695
TOTAL	5,267	1,047	2,045	2,630	2,234	8,618	517	442	1,125	21,880

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	14,023
State of California	7,857
Total	21,880
Federal—Corps of Engineers	19,000

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $100,000 per year.

USEFUL LIFE: 30+ Years

Project	**Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard**
Program	Flood Protection – Coyote Watershed
Priority No.	85
Project No.	40174004
District Contact	Katherine Oven koven@valleywater.org

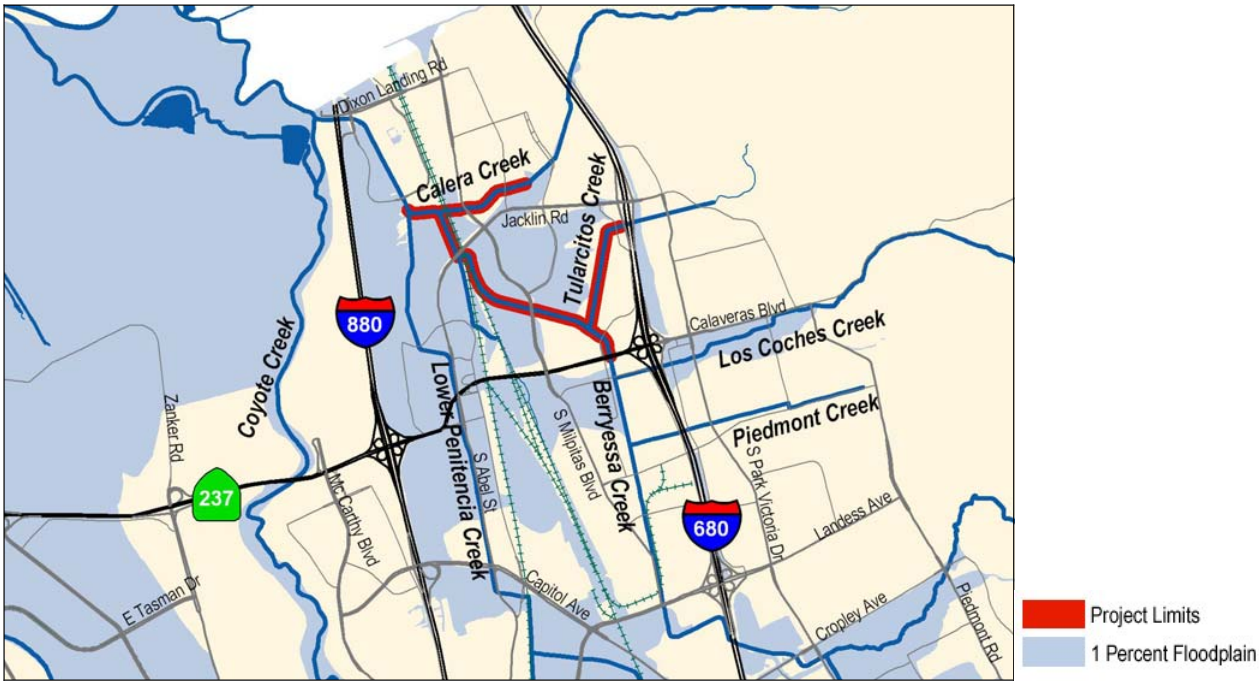
Berryessa Creek upstream of the confluence with Lower Penitencia Creek

PROJECT DESCRIPTION

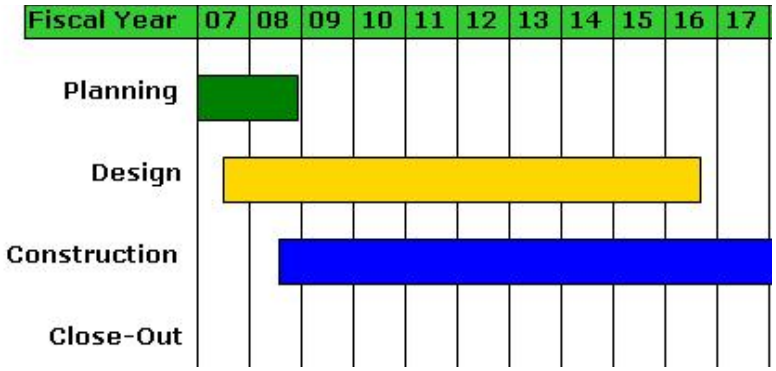
This project plans, designs, and constructs improvements along approximately 3 miles of Berryessa Creek an its tributaries, from the confluence with Lower Penitencia Creek to Calaveras Boulevard and the lower reaches of both Calera and Tularcitos Creeks, to accomplish the following objectives:

- Provide one-percent flood protection to the surrounding area.
- Improve the structural integrity of the levees.
- Improve maintenance access and safety for District staff.
- Identify opportunities to integrate recreation inputs consistent with the City of Milpitas' Trail Master Plan.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives

PROJECT LOCATION



PROJECT SCHEDULE
March 2001 to June 2021



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard	4,967	1,649	13,526	1,639	3,021	5,460	425	14,160	44,847
with inflation	4,967	1,649	13,526	1,688	3,439	7,138	478	20,922	53,807

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard	12,720	0	6,104	7,422	1,688	3,439	7,138	478	20,922	53,807

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Coyote Fund	53,807
Other Funding Source	0
Total	53,807

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $100,000 per year. Operation costs will initially be lower, with construction of Phase 1 in FY 10. Subsequent years will increase as additional phases are constructed.

USEFUL LIFE: 30+ Years

Project	**Coyote Creek, Montague Expressway to Interstate 280**
Program	Flood Protection – Coyote Watershed
Priority No.	62
Project No.	26174043
District Contact	Katherine Oven koven@valleywater.org

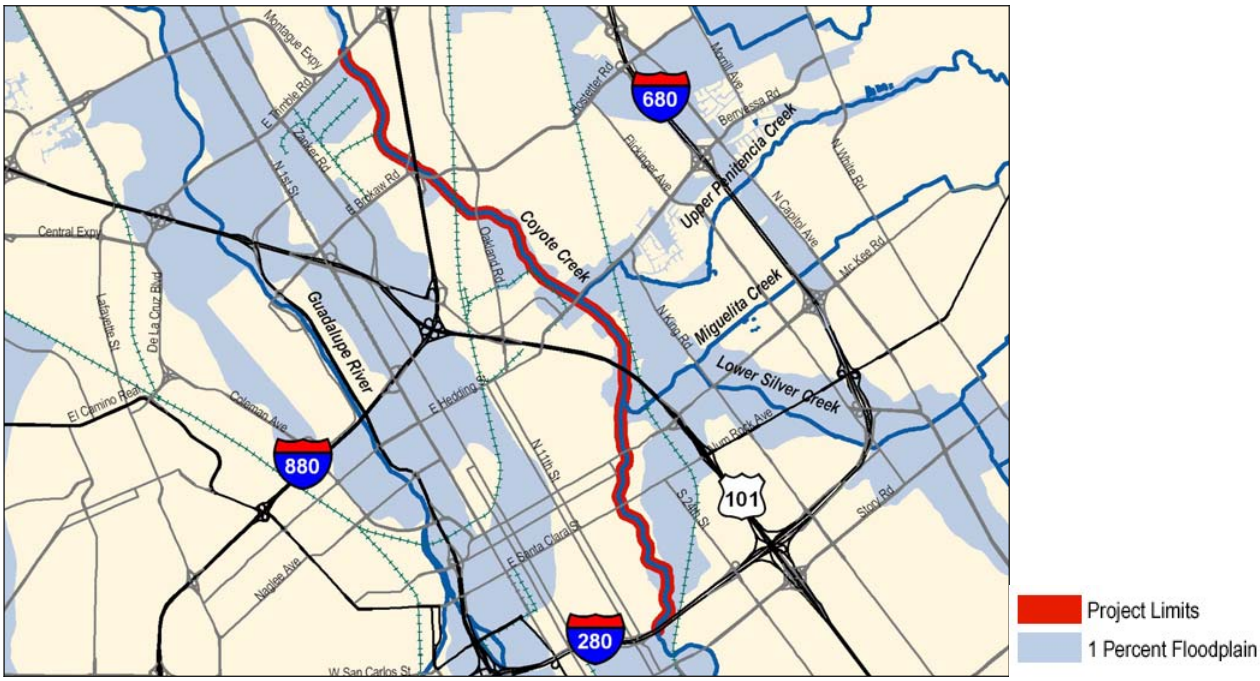
Flooding from Coyote Creek on 17th Street near downtown San Jose in January 1997

PROJECT DESCRIPTION

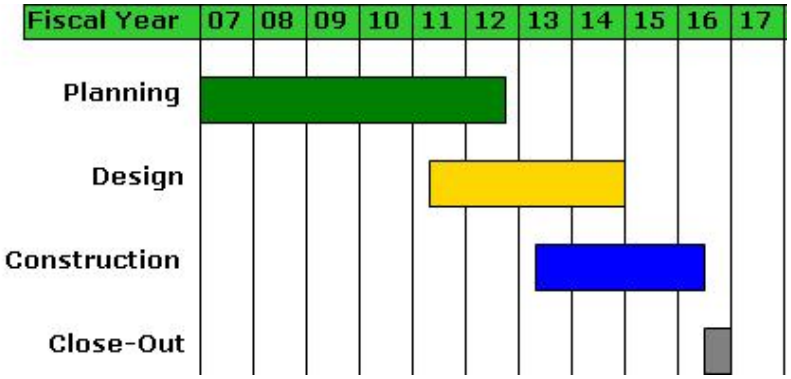
This project plans, designs, and partially constructs improvements along approximately 6.1 miles of Coyote Creek, from Montague Expressway to Interstate 280, to accomplish the following objectives:

- Provide flood protection to the surrounding area.
- Mitigate for project impacts to stream habitat and fisheries.
- Identify stream habitat enhancement and/or restoration opportunities.
- Identify opportunities to improve water quality within the project limits.
- Identify opportunities to provide for public recreation and access.
- Minimize the need for future operations and maintenance activities and create a self-sustaining system within the project limits.
- Obtain community support.

PROJECT LOCATION



PROJECT SCHEDULE
September 2002 to June 2016



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Coyote Creek, Montague Expwy to I-280	4,435	911	4,064	963	909	1,127	7,824	12,985	33,218
with inflation	4,435	911	4,064	992	964	1,232	9,459	16,385	38,442

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Coyote Creek, Montague Expwy to I-280	6,903	0	1,557	2,507	992	964	1,232	9,459	16,385	38,442

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	38,442
Other Funding Source	0
Total	38,442

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $100,000 per year.

USEFUL LIFE: 30+ Years

Project	**Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)**
Program	Flood Protection – Coyote Watershed
Priority No.	54
Project No.	40264001S
District Contact	Katherine Oven koven@valleywater.org

Lower Silver Creek upstream of San Antonio Road

PROJECT DESCRIPTION

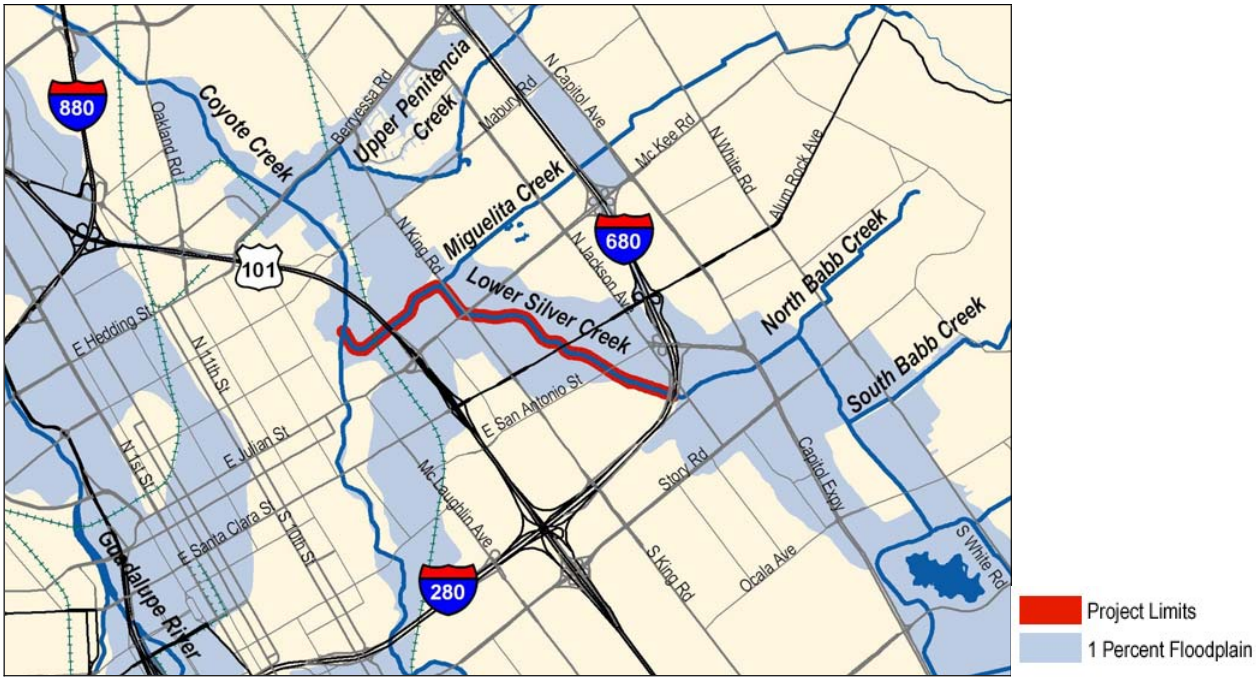
This project partners with the Natural Resource Conservation Service to plan, design, and construct improvements along approximately 2.3 miles of the Lower Silver Creek, from Coyote Creek to Interstate 680, to accomplish the following objectives:

- Provide one-percent flood protection to properties in the surrounding area.
- Provide on-site mitigation for project impacts, improve stream habitat values, and improve fisheries potential.
- Identify opportunities for additional enhancement of existing habitat values by increased wetlands and riparian habitat.
- Improve pedestrian bridges crossing Lower Silver Creek.
- Facilitate the opportunity for future pedestrian trails along Lower Silver Creek.

This project is accounted for in the following job numbers:

40264001—Reach 1-2, Coyote Ck to McKee Rd
40264003—Reach 3, McKee Rd to I-680
40264009—Reimbursable work—Lands, Easements, Rights of Way, Relocations, and Disposal (LERRDs)

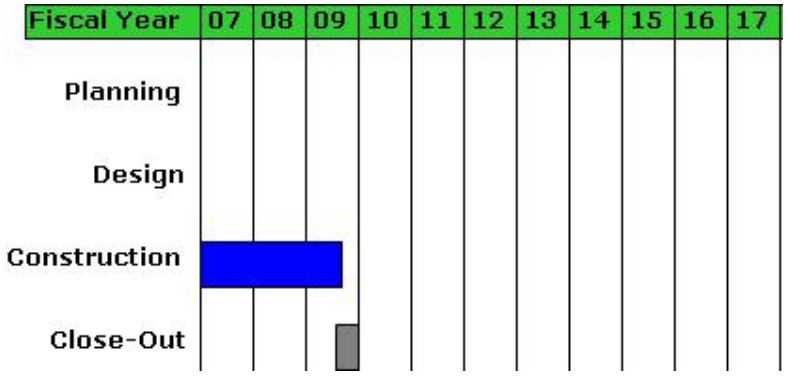
PROJECT LOCATION



PROJECT SCHEDULE

January 1990 to June 2009

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Lower Silver Creek, Coyote Creek to McKee Road, Reach 1-2	20,458	65	15	0	0	0	0	0	20,538
with inflation	20,458	65	15	0	0	0	0	0	20,538
Lower Silver Creek, McKee Road to I-680, Reach 3	33,762	1,399	347	414	0	0	0	0	35,922
with inflation	33,762	1,399	347	426	0	0	0	0	35,934
Lower Silver Creek, Coyote Creek to I-680, LERRDs	22,266	444	375	0	0	0	0	0	23,085
with inflation	22,266	444	375	0	0	0	0	0	23,085
TOTAL	**76,486**	**1,908**	**737**	**414**	**0**	**0**	**0**	**0**	**79,545**
with inflation	**76,486**	**1,908**	**737**	**426**	**0**	**0**	**0**	**0**	**79,557**

Actuals include expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Fund	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Lower Silver Creek, Coyote Creek to McKee Road, Reach 1-2	20,533	0	10	5	0	0	0	0	0	20,538
Lower Silver Creek, McKee Road to I-680, Reach 3	34,621	540	0	347	426	0	0	0	0	35,934
Lower Silver Creek, Coyote Creek to I-680, LERRDs	22,901	17	208	167	0	0	0	0	0	23,085
TOTAL	**78,055**	**557**	**218**	**519**	**426**	**0**	**0**	**0**	**0**	**79,557**

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Coyote Fund	56,789
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Program)	4,000
State of California	18,603
Natural Resource Conservation Service	165
Total	**79,557**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase Reach 1-3 operations costs by approximately $100,000 per year. The increases are primarily due to the increased creek area (vegetation maintenance and trash removal) and the increased amount of concrete structures (graffiti removal).

USEFUL LIFE: 30+ Years

Project	**Thompson Creek Stream Stabilization, Quimby Road to Aborn Road**
Program	Flood Protection – Coyote Watershed
Priority No.	38
Project No.	62214001
District Contact	Katherine Oven koven@valleywater.org

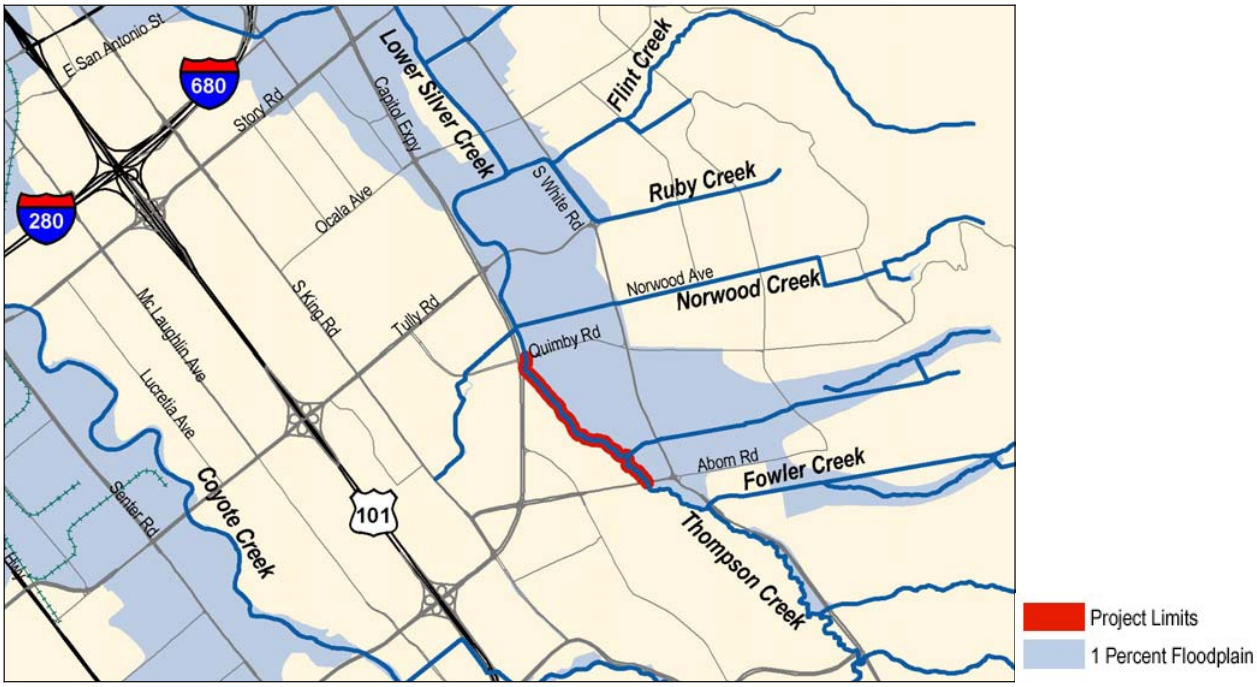
Severe bank erosion and undercutting of mature riparian habitat, results in significant sedimentation in downstream reaches of Thompson Creek.

PROJECT DESCRIPTION

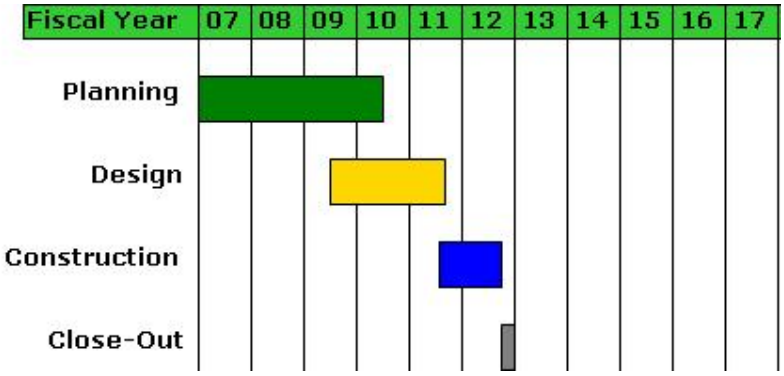
This project coordinates with the U.S. Army Corps of Engineers under the Aquatic Ecosystem Restoration Program (Section 206 Program) to plan, design, and construct improvements along 1.2 miles of Thompson Creek, from Quimby Road to Aborn Road, and accomplishes the following objectives:

- Restore the low-flow channel to an equilibrium state.
- Restore riparian habitat adjacent to the low-flow channel.
- Improve water quality and provide diverse stream channel habitats.
- Provide erosion protection along the creek.
- Identify enhancement opportunities.

PROJECT LOCATION



PROJECT SCHEDULE
July 2003 to June 2012



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	88	0	10	87	114	1,801	105	0	2,205
with inflation	88	0	10	90	402	1,968	118	0	2,676

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	2,256	0	2,168	0	0	0	301	118	0	2,676

Adjusted budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Watershed Stream Stewardship Fund	2,676
Other Funding Source	0
Total	**2,676**
Federal—Corps of Engineers	4,415

The Corps of Engineers will cost-share 65 percent of the total project cost, up to $5 million.

OPERATING COST IMPACTS
Operating cost impacts from the construction of this project will be developed during the planning phase.

USEFUL LIFE: 30+ Years

Project	**Upper Penitencia Creek, Coyote Creek to Dorel Drive**
Program	Flood Protection – Coyote Watershed
Priority No.	60
Project No.	40324003S
District Contact	Katherine Oven koven@valleywater.org

Flooding at King Road on Upper Penitencia Creek

PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 4.2 miles of Upper Penitencia Creek, from the confluence with Coyote Creek to Dorel Drive, to accomplish the following objectives.

- Provide one-percent flood protection to more than 5,000 homes, businesses, and public buildings.
- Mitigate for project impacts.
- Improve stream habitat values and fisheries potential.
- Reduce sedimentation and maintenance requirements.
- Identify opportunities to integrate recreation improvements consistent with the City of San Jose's and Santa Clara County Parks' Master Plan.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives.

This project is accounted for in the following job numbers:
40324003—District coordination with Corps for Corps' work
40324005—District's Lands, Easements, Rights of Way, Relocation, and Disposal (LERRDs)

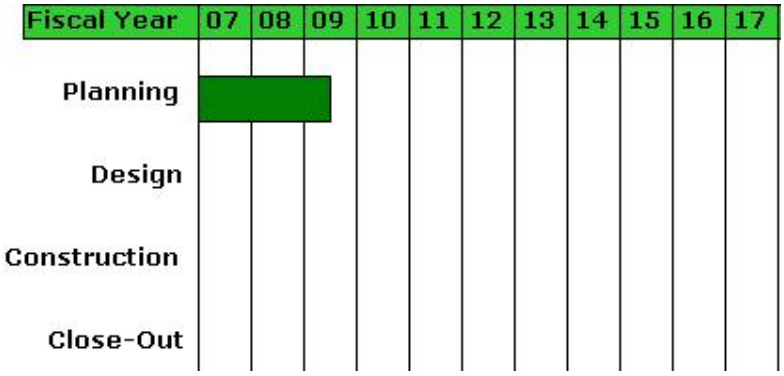
This project is funded through the planning phase only. The scope, schedule, costs and funding sources of the design and construction phases will be determined at the completion of the planning phase.

PROJECT LOCATION

PROJECT SCHEDULE

January 2000 to December 2008

(Planning Phase Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Upper Penitencia Creek, Coyote Creek to Dorel Drive, Coordination with Corps	7,399	116	619	50	0	0	0	0	8,184
with inflation	7,399	116	619	52	0	0	0	0	8,186
Upper Penitencia Creek, Coyote Creek to Dorel Drive, LERRDs	1,762	0	4,856	0	0	0	0	0	6,618
with inflation	1,762	0	4,856	0	0	0	0	0	6,618
TOTAL	9,161	116	5,475	50	0	0	0	0	14,802
with inflation	9,161	116	5,475	52	0	0	0	0	14,804

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Fund	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Upper Penitencia Creek, Coyote Creek to Dorel Drive, Corps Coordination	7,880	286	651	0	20	0	0	0		8,186
Upper Penitencia Creek, Coyote Creek to Dorel Drive, LERRDs	6,331	257	4,826	30	0	0	0	0	0	6,618
TOTAL	14,211	543	5,477	30	20	0	0	0	0	14,804

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Coyote Fund	14,804
Other Funding Source	0
Total	14,804
Federal—Corps of Engineers	2,790

OPERATING COST IMPACTS

Operating costs have not yet been defined but will be documented with the completed Planning Study. Staff continues to meet with operations and maintenance staff during the planning process, in an effort to minimize future operating budget impacts.

USEFUL LIFE: Not Available

Uvas/Llagas Watershed Project Pages

Project	**Llagas Creek–Upper, Buena Vista Road to Wright Avenue**
Program	Flood Protection – Uvas/Llagas Watershed
Priority No.	62
Project No.	26174051S
District Contact	Katherine Oven koven@valleywater.org

Llagas Creek floods at Watsonville Road and the surrounding area.

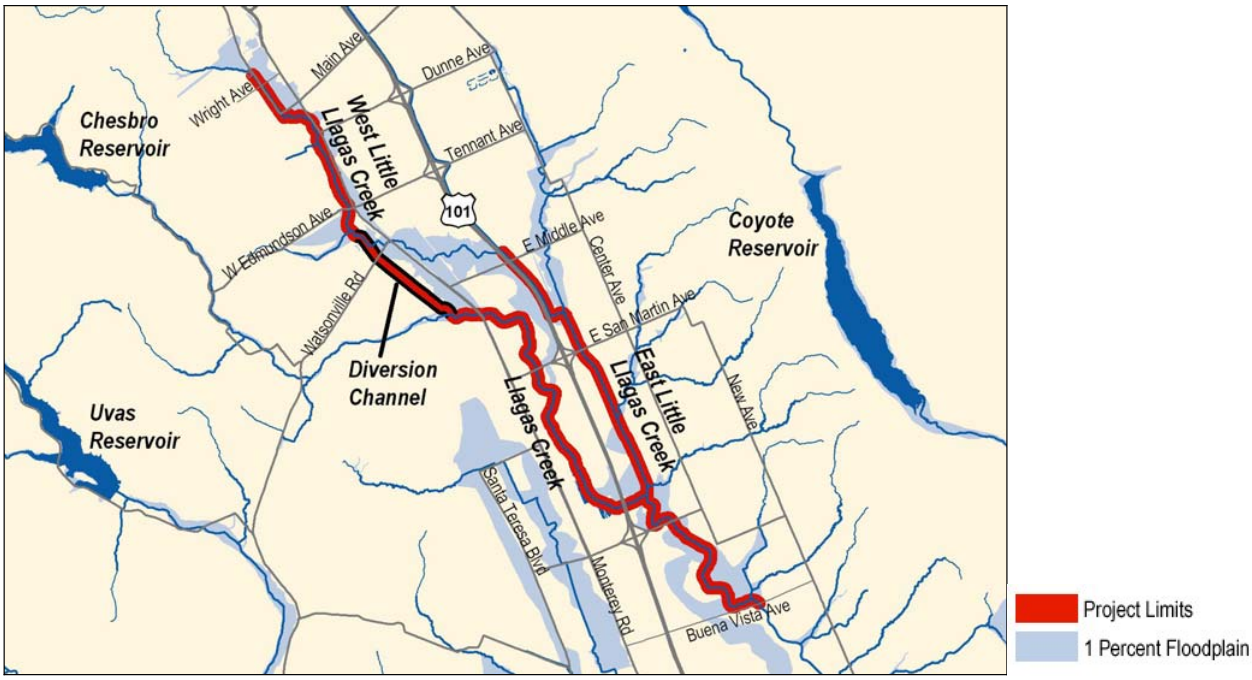
PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements on approximately 13.6 miles of Upper Llagas Creek, from Buena Vista Avenue to Wright Avenue, to provide an increased level of flood protection with adequate freeboard.

This project is accounted for in the following job numbers:

26174051—Reimbursable Work—Lands, Easements, Rights of Way, Relocation, and Disposal (LERRD)
26174052—Coordination with the Corps
26174053—Technical Studies

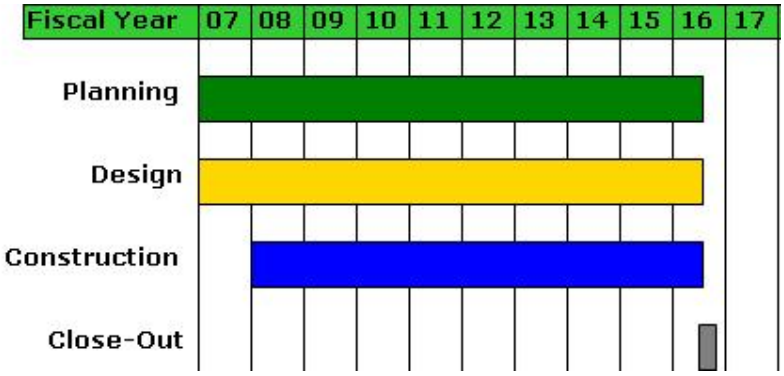
PROJECT LOCATION



PROJECT SCHEDULE

August 2000 to April 2016

The Corps of Engineers is studying the Federal interest in this project. A revised project schedule will be provided once the federal interest is confirmed.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Llagas Creek–Upper, LERRD	4,236	100	1,939	2,100	585	25	0	0	8,985
with inflation	4,236	100	1,939	2,163	621	27	0	0	9,086
Llagas Creek–Upper, Corps Coordination	1,712	80	175	100	150	150	100	500	2,967
with inflation	1,712	80	175	103	159	164	113	612	3,117
Llagas Creek–Upper, Technical Studies	1,425	16	0	0	0	0	0	0	1,441
with inflation	1,425	16	0	0	0	0	0	0	1,441
TOTAL	**7,373**	**196**	**2,114**	**2,200**	**735**	**175**	**100**	**500**	**13,393**
with inflation	**7,373**	**196**	**2,114**	**2,266**	**780**	**191**	**113**	**612**	**13,644**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Fund	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Llagas Creek–Upper, LERRD	7,946	0	3,610	0	492	621	27	0	0	9,086
Llagas Creek–Upper, Corps Coordination	1,982	0	190	0	88	159	164	113	612	3,117
Llagas Creek–Upper, Technical Studies	1,601	15	175	0	0	0	0	0	0	1,616
TOTAL	**11,529**	**15**	**3,975**	**0**	**580**	**780**	**191**	**113**	**612**	**13,819**

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007. The total planned expenditure is $175,000 less than the available project funding. The unspent budget will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

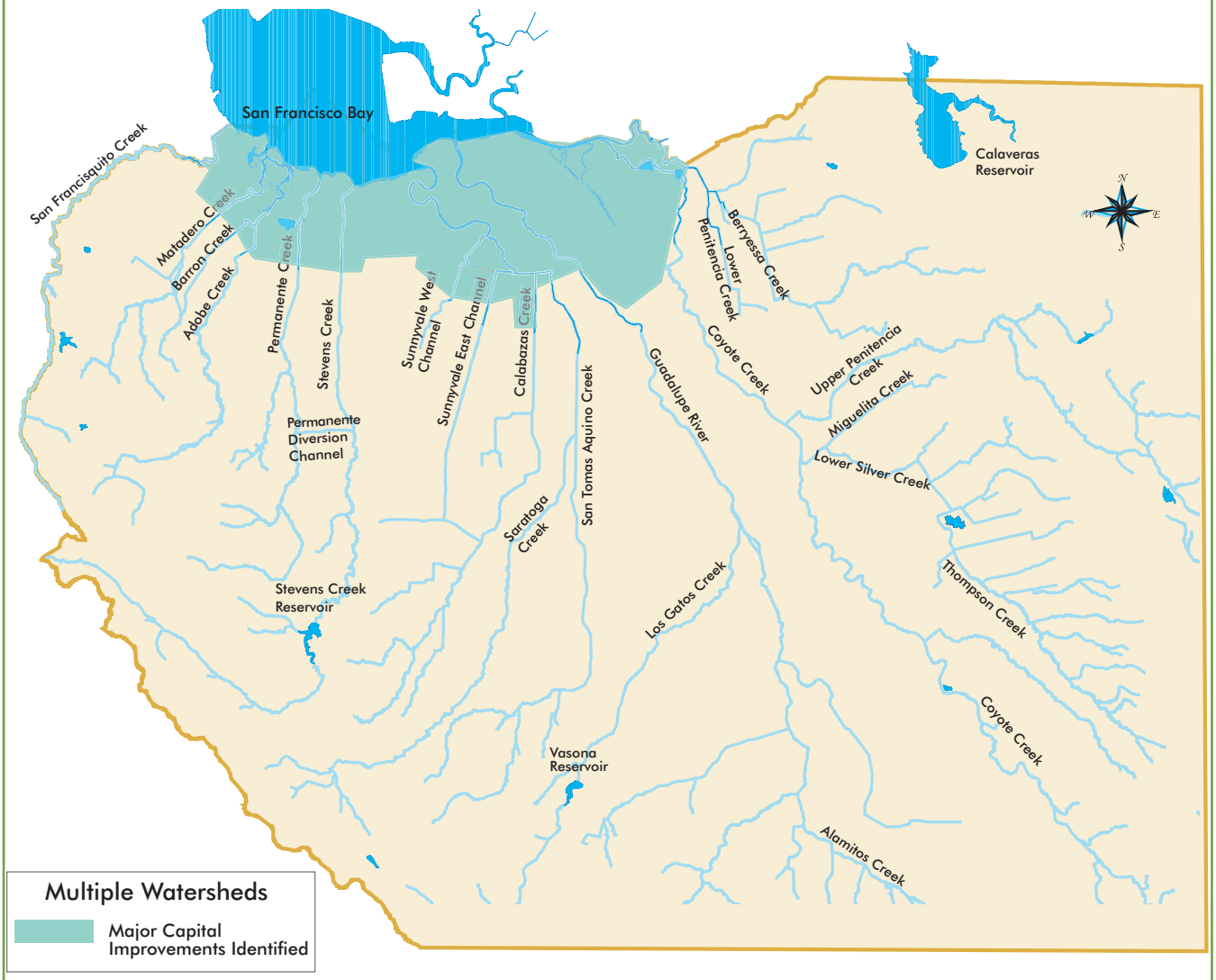
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	10,679
State Subventions	2,800
City of Morgan Hill	340
Total	**13,819**
State Subventions	37,500
Federal—Corps of Engineers	66,000

The District and City of Morgan Hill will pursue federal reimbursement for technical studies via special legislative action. But this is not yet included in these estimates.

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years



Multiple Watershed Project Pages

Project	**San Francisco Bay Shoreline**
Program	Flood Protection – Multiple Watersheds
Priority No.	47
Project No.	00044026S
District Contact	Ann Draper adraper@valleywater.org

Typical natural tidal marshland in San Francisco Bay near the Shoreline project area.

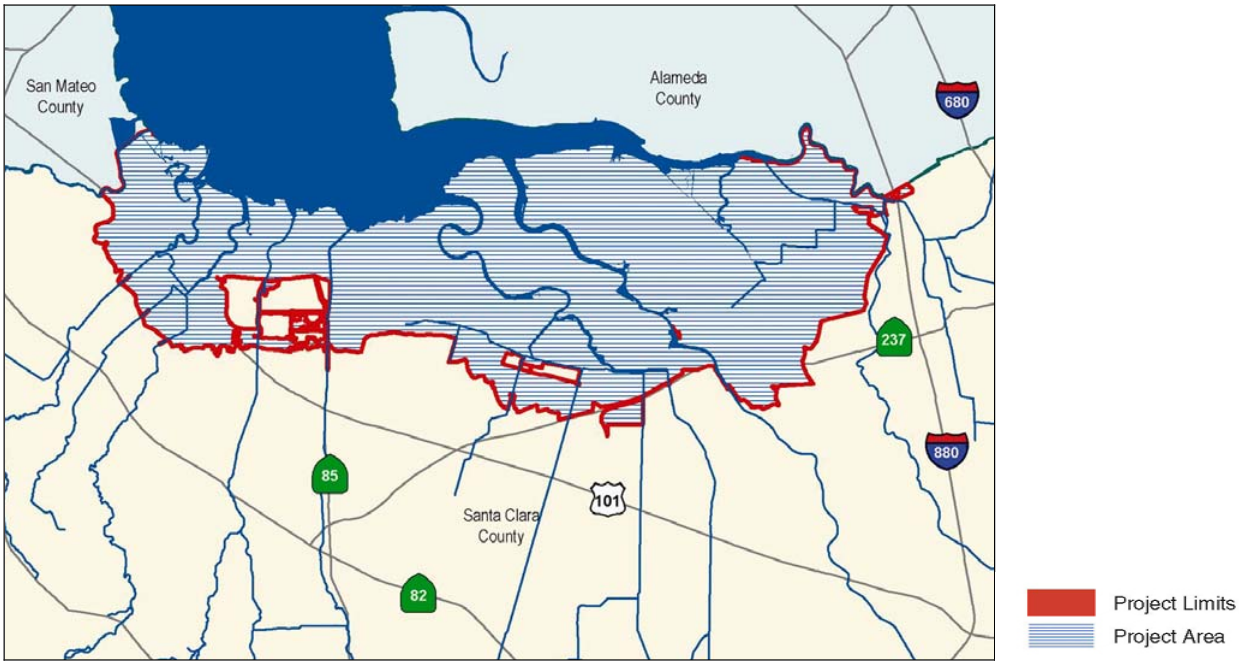
PROJECT DESCRIPTION

This project coordinates with the California Costal Conservancy, U.S. Army Corps of Engineers (Corps), and other project partners to plan, design, and construct improvements to the San Francisco Bay Shoreline, to accomplish the following objectives:

- Provide integrated fluvial and tidal flood protection.
- Restore and/or enhance tidal marsh and related habitats.
- Provide recreational and public access opportunities throughout the tidal floodplain of Santa Clara County.
- Pursue continued federal funding.

The project is currently funded for the planning phase only. The scope, schedule, costs and funding sources for the design phase and construction phase will be determined at the completion of the planning phase.

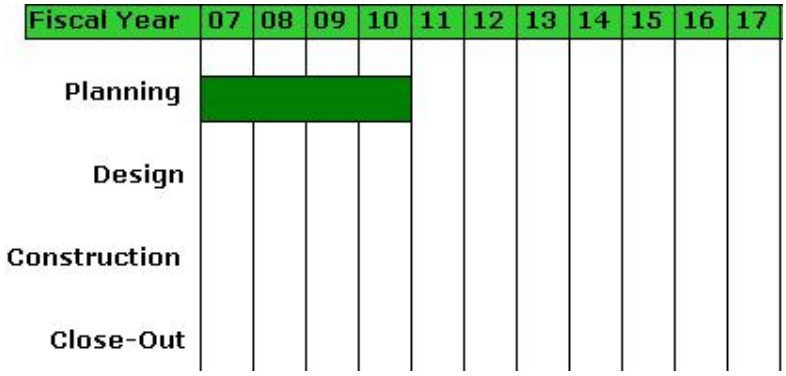
PROJECT LOCATION



PROJECT SCHEDULE

July 2003 to June 2010

(Planning Phase Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
San Francisco Bay Shoreline - Planning	3,131	2,192	3,476	1,995	437	0	0	0	11,231
with inflation	3,131	2,192	3,476	2,055	464	0	0	0	11,317

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
San Francisco Bay Shoreline - Planning	4,694	2,040	1,411	2,065	2,055	464	0	0	0	11,317

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund—25%	2,704
SCVWD Lower Peninsula Fund—one-time contribution	500
SCVWD West Valley Fund—25%	2,704
SCVWD Guadalupe Fund—25%	2,704
SCVWD Coyote Fund—25%	2,704
Total	11,317

OPERATING COST IMPACTS

Planning Phase Only: The completion of this phase of the project is not anticipated to increase or decrease annual operations costs.

USEFUL LIFE: Not Available

MITIGATION CAPITAL IMPROVEMENTS

MITIGATION OVERVIEW

The District manages many mitigation sites and continues to plan, design, and construct new mitigation sites to fulfill CEQA and regulatory permit requirements and meet the Board's End Policy E–3.1, "Mitigations are implemented to protect watersheds, streams, and the natural resources therein."

Major Capital Improvements Identified in the CIP

- Projects to mitigate environmental impacts resulting from stream maintenance activities
- Projects to mitigate environmental impacts resulting from the treatment plant improvement projects

PRIORITY PROCESS AND FINANCIAL ANALYSIS

Implementation of the Mitigation projects is considered non-discretionary since they are needed to meet California Environmental Quality Act (CEQA) or regulatory permits commitments approved by the Board. Funding for mitigation projects are allocated without a prioritization process.

MITIGATION CAPITAL IMPROVEMENTS

The following table is a project funding schedule for mitigation capital improvements, resulting from this year's financial analysis. Detailed information for each project can be found in this document on the page number identified. The chart also identifies partially funded projects and estimated unspent appropriations from FY 2006-07.

Mitigation Capital Improvements

Pg #	Project Name	Thru FY06	FY07	Unspent as of FY07	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
V-3	Santa Clara Tunnel Landslide Mitigation (ESA)	805	55	748	0	0	0	0	0	0	860
V-5	SMP Mitigation, Carnadero Preserve	3,532	0	151	227	175	25	0	0	0	3,959
V-7	SMP Mitigation, Coyote Parkway Freshwater Wetland	6,267	619	42	103	195	106	71	90	0	7,451
V-9	SMP Mitigation, Laguna Seca Freshwater Wetland	0	0	0	1,367	1,970	9,585	8,830	120	260	22,132
V-11	SMP Mitigation, Pajaro Basin Freshwater Wetland	1,955	1,327	1,423	1,207	108	111	115	73	93	4,989
V-13	SMP Mitigation, Stream and Watershed Land Preservation	7,463	1,137	3,622	1,834	1,764	1,817	1,872	1,928	0	17,815
V-15	WTIP Mitigation, PWTP Landscape and Site Improvements	1,262	3,598	278	292	144	0	0	0	0	5,296
V-17	WTIP Mitigation, STWTP Landscape Improvements	2,561	-44	1,786	0	733	36	156	0	0	3,442
	TOTAL	**23,845**	**6,692**	**8,050**	**5,030**	**5,089**	**11,680**	**11,044**	**2,211**	**353**	**65,944**

FY 2006-07 Funds to be reappropriated

The following table shows funding requirements from each funding source for mitigation capital improvements.

Mitigation – Funding Sources

Funding Sources	Thru FY06	FY07	FY07 Unspent	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
Lower Peninsula Watershed Fund	687	88	183	165	196	575	539	107	13	2,370
West Valley Watershed Fund	2,609	334	696	628	747	2,187	2,047	406	49	9,006
Guadlaupe Watershed Fund	3,158	404	843	760	904	2,647	2,478	492	60	10,902
Coyote Watershed Fund	4,668	597	1,246	1,123	1,336	3,913	3,663	727	88	16,115
Uvas/Llagas Watershed Fund	1,564	1,062	1,138	966	86	89	92	58	74	3,991
Watershed Stream Stewardship Fund	6,532	599	1,132	1,096	943	2,234	2,070	421	68	13,962
Water Enterprise Fund	4,628	3,609	2,812	292	877	36	156	-	-	9,598
Mitigation Total	**23,845**	**6,692**	**8,050**	**5,030**	**5,089**	**11,680**	**11,044**	**2,211**	**353**	**65,944**

FY 2006-07 Funds to be reappropriated

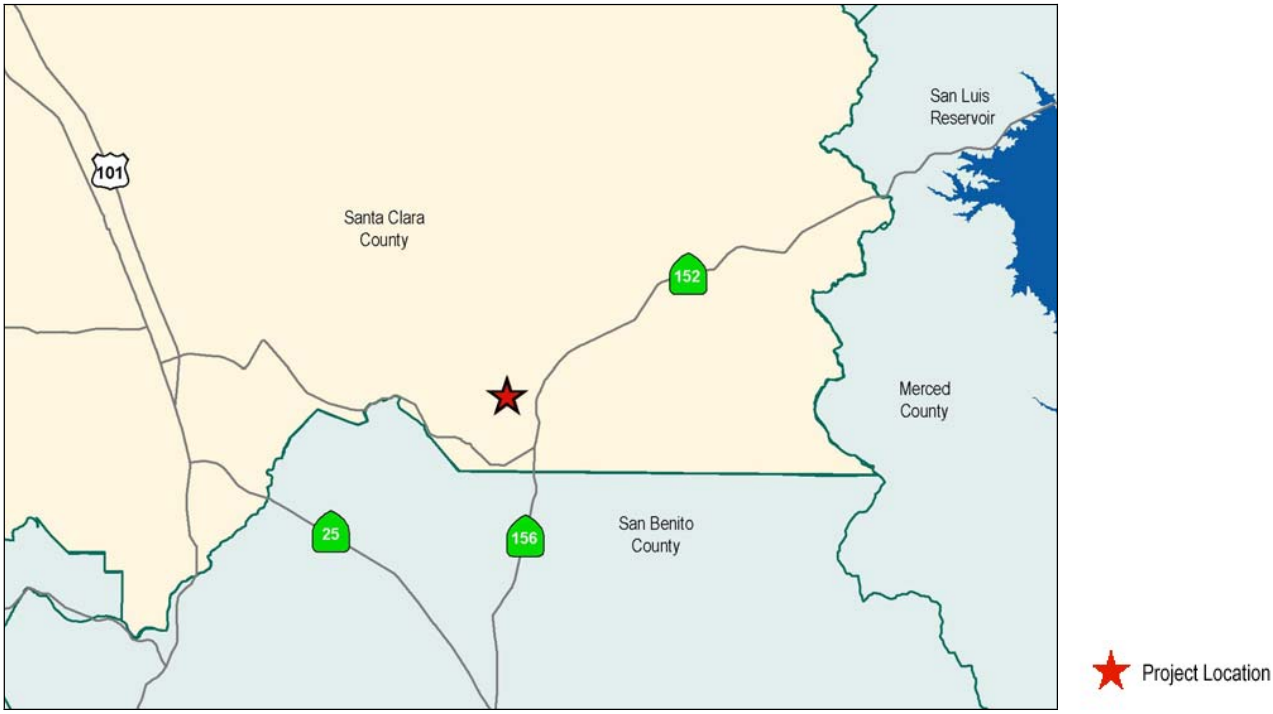
Project	Santa Clara Tunnel Landslide Mitigation (ESA)
Program	Mitigation
Priority No.	44
Project No.	91224005
District Contact	Michael Hamer mhamer@valleywater.org

Mitigation for the Santa Clara Tunnel Landslide Repair project will create 2.61 acres of red-legged frog and tiger salamander habitat.

PROJECT DESCRIPTION

This project provides 2.61 acres of estivation and dispersal habitat for the temporary loss of red-legged frog and California tiger salamander habitat resulting from the Santa Clara Tunnel Landslide Repair project to comply with the off-site mitigation requirements of the U.S. Fish and Wildlife Service and Department of Fish and Game Endangered Species Act (ESA).

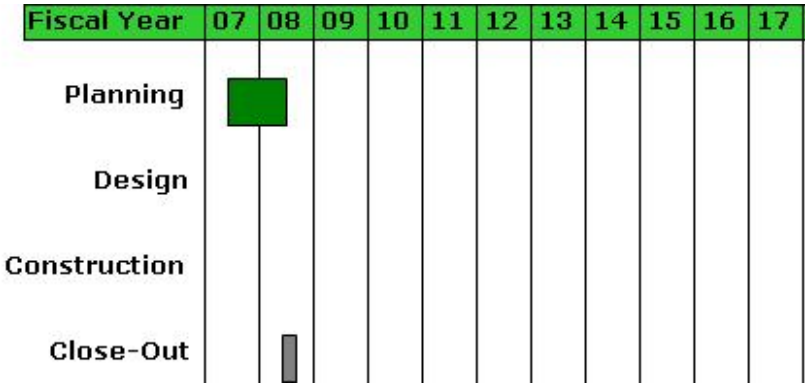
PROJECT LOCATION



PROJECT SCHEDULE

December 2006 to February 2008

Purchase of credit from the mitigation bank is shown in the Planning phase.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Santa Clara Tunnel Landslide Mitigation (ESA)	18	94	227	0	0	0	0	0	339
with inflation	18	94	227	0	0	0	0	0	339

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Santa Clara Tunnel Landslide Mitigation (ESA)	805	55	748	0	0	0	0	0	0	860

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.
The total planned expenditure is approximately $521,000 less than the available project funding. The unspent budget will be returned to reserves at the end of the project

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	860
Other Funding Source	0
Total	860

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Applicable

Project	**SMP Mitigation, Carnadero Preserve**
Program	Mitigation
Priority No.	99
Project No.	62184041
District Contact	Marc Klemencic mklemencic@valleywater.org

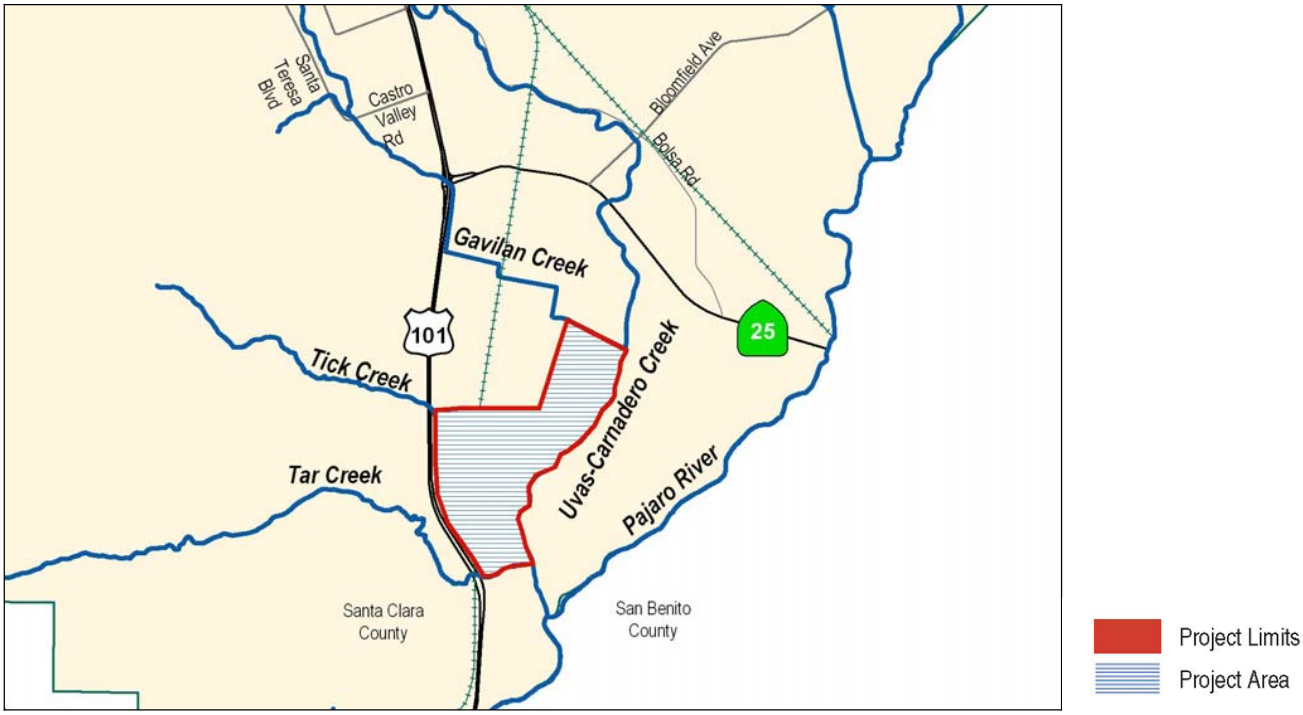
Carnadero Preserve: view across fields toward the Uvas-Carnadero Creek.

PROJECT DESCRIPTION

This project purchases and manages the Carnadero Preserve, located between Uvas-Carnadero Creek and Highway 101, encompassing areas around the confluences with Pajaro River and with Tick and Tar Creeks, to accomplish the following objectives:

- Obtain Stream and Watershed Protection Program mitigation credits as defined under the District's Stream Maintenance Program (SMP) for the Pajaro Basin, which allows for the District to perform necessary flood protection work in county waterways.
- Identify and develop opportunities for potential wetland and riparian improvements or enhancement of the site for ecosystem and water quality benefits.
- Coordinate with the Pajaro Wetlands project located within the preserve.

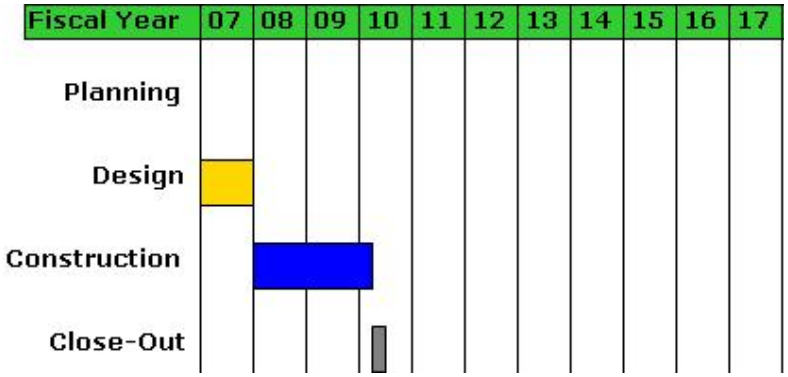
PROJECT LOCATION



PROJECT SCHEDULE

April 2003 to December 2009

Construction phase includes mitigation planting and some site upgrades.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
SMP Mitigation, Carnadero Preserve	3,181	200	378	170	24	0	0	0	3,953
with inflation	3,181	200	378	175	25	0	0	0	3,960

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
SMP Mitigation, Carnadero Preserve	3,532	0	151	227	175	25	0	0	0	3,960

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	3,960
Other Funding Source	0
Total	**3,960**

OPERATING COST IMPACTS

Operating and Maintenance costs are estimated to increase $50,000 per year for the first two years and then will be reduced to approximately $7,500 per year.

USEFUL LIFE: 50+ Years

Project	SMP Mitigation, Coyote Parkway Freshwater Wetland
Program	Mitigation
Priority No.	99
Project No.	62184002
District Contact	Katherine Oven koven@valleywater.org

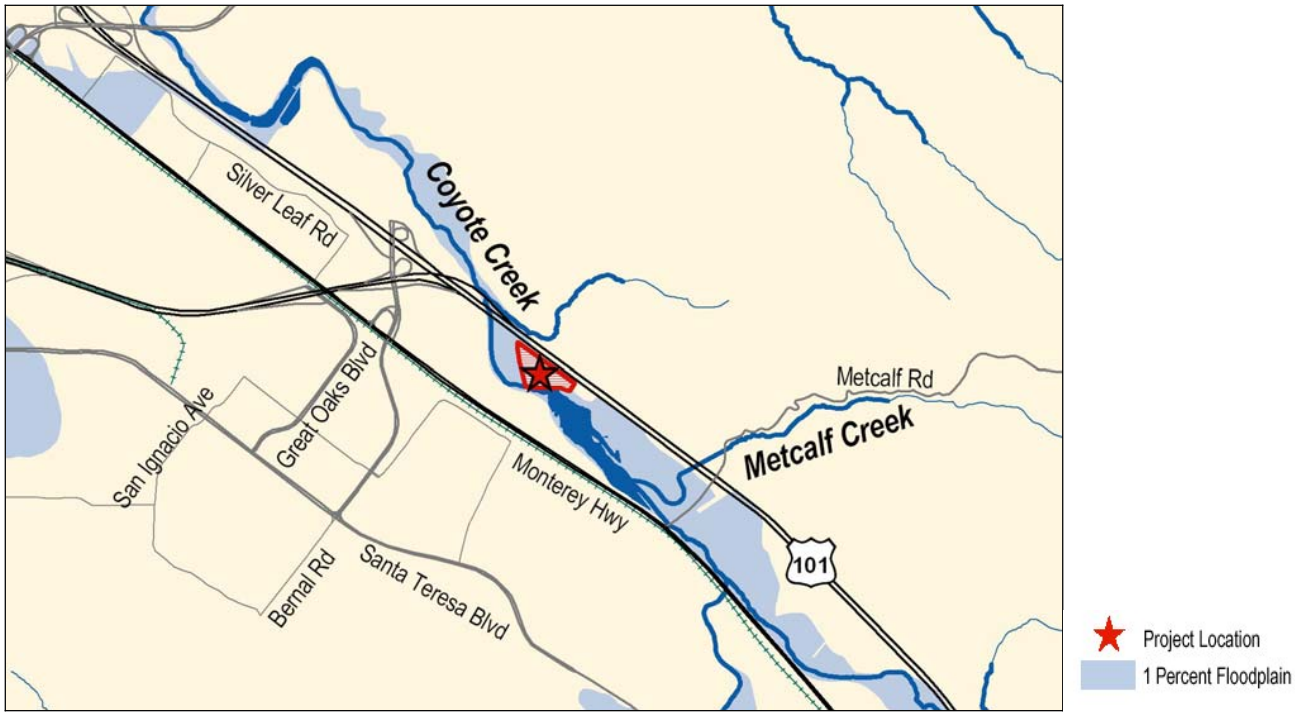
Coyote Parkway Project Site (looking North)

PROJECT DESCRIPTION

This project plans, designs, and constructs a freshwater wetland basin at the Coyote Parkway Lakes area, near Monterey Road and southeast of the Highway 101 and Highway 85 interchange in San Jose, to accomplish the following objectives:

- Meet the District's mitigation requirements for the Multi-Year Stream Maintenance Program (SMP) in the Santa Clara Basin.
- Provide 7 acres of freshwater wetland habitat to support local wetland-related plants and wildlife.
- Identify possible enhancement opportunities for presentation to the Board of Directors.

PROJECT LOCATION

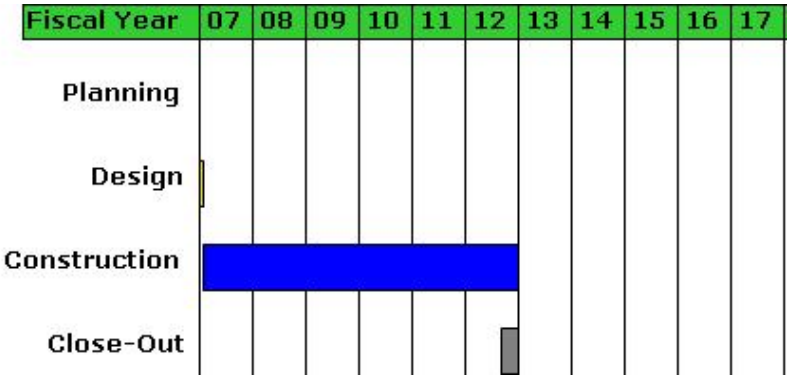


PROJECT SCHEDULE

July 2003 to June 2012

Planning phase is complete.

Project construction includes approximately 5 years of mitigation compliance monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
SMP Mitigation, Coyote Parkway Freshwater Wetland	4,280	2,564	145	189	100	65	80	0	7,423
with inflation	4,280	2,564	145	195	106	71	90	0	7,451

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
SMP Mitigation, Coyote Parkway Freshwater Wetland	6,267	619	42	103	195	106	71	90	0	7,451

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund—5%	371
SCVWD West Valley Fund—19%	1,388
SCVWD Guadalupe Fund—23%	1,695
SCVWD Coyote Fund—34%	2,536
SCVWD Watershed Stream Stewardship Fund—19%	1,460
Total	7,451

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $50,000 per year.

USEFUL LIFE: 50+ Years

Project	SMP Mitigation, Laguna Seca Freshwater Wetland
Program	Mitigation
Priority No.	99
Project No.	00044030
District Contact	Katherine Oven koven@valleywater.org

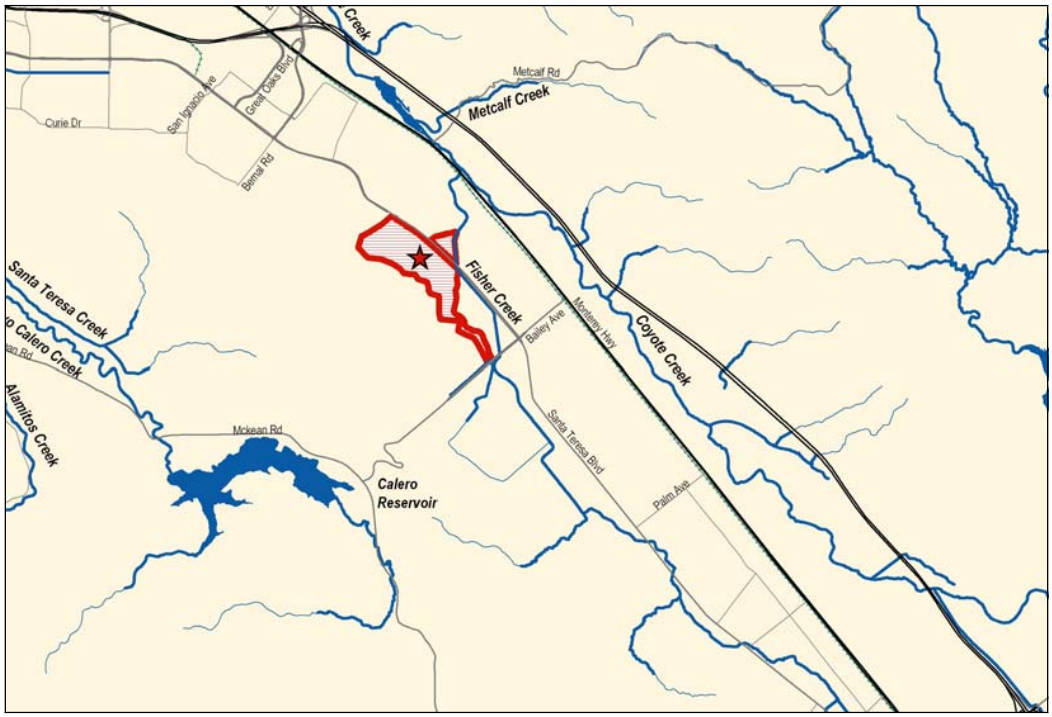
Ponding at Laguna Seca Wetland Site in February 2007

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Coyote Valley Research Park detention basin, formerly known as the Laguna Seca wetland site (located in San Jose, where Fisher Creek intersects Santa Teresa Boulevard, north of Bailey Avenue) to accomplish the following objectives:

- Meet the regulatory mitigation requirements for implementation of the Stream Maintenance Program (SMP) to allow the District to continue maintaining flood protection for Santa Clara Valley residents.
- Create approximately 30 acres of freshwater wetland habitat to support local wetland-related plants and wildlife.

PROJECT LOCATION

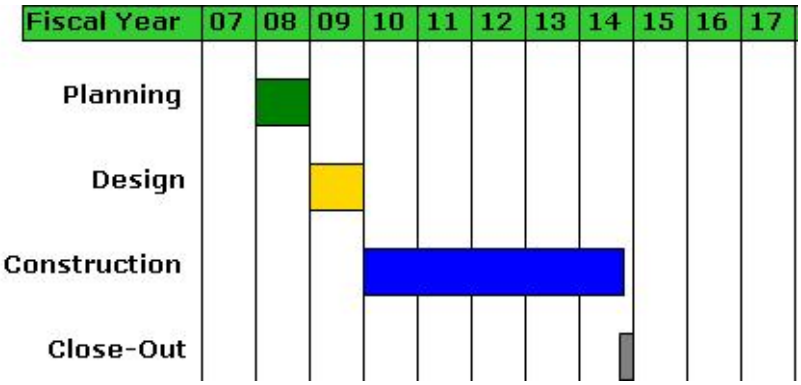


Project Area

PROJECT SCHEDULE

July 2007 to June 2014

Construction Phase includes 3 years of mitigation compliance monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
SMP, Laguna Seca Freshwater Wetland	0	0	1,367	1,913	7,667	6,934	107	221	18,209
with inflation	0	0	1,367	1,970	9,585	8,830	120	260	22,133

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
SMP, Laguna Seca Freshwater Wetland	0	0	0	1,367	1,970	9,585	8,830	120	260	22,133

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund—5%	1,107
SCVWD West Valley Fund—19%	4,205
SCVWD Guadalupe Fund—23%	5,091
SCVWD Coyote Fund—34%	7,525
SCVWD Watershed Stream Stewardship Fund—19%	4,205
Total	22,133

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 50+ Years

Project	SMP Mitigation, Pajaro Basin Freshwater Wetland
Program	Mitigation
Priority No.	99
Project No.	62754001
District Contact	Katherine Oven koven@valleywater.org

Uvas-Carnadero Creek flooding the proposed wetland site

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to create a freshwater wetland in the Pajaro Basin. The project is located on the District's Carnadero Preserve, approximately two miles south of Gilroy. The project will accomplish the following objectives:

- Provide freshwater wetland habitat to meet the District's mitigation requirements for the Multi-Year Stream Maintenance Program (SMP) in the Pajaro Basin.
- Provide 4 acres of freshwater wetland habitat to support local wetland-related plants and wildlife.
- Identify possible enhancement opportunities for presentation to the Board of Directors.

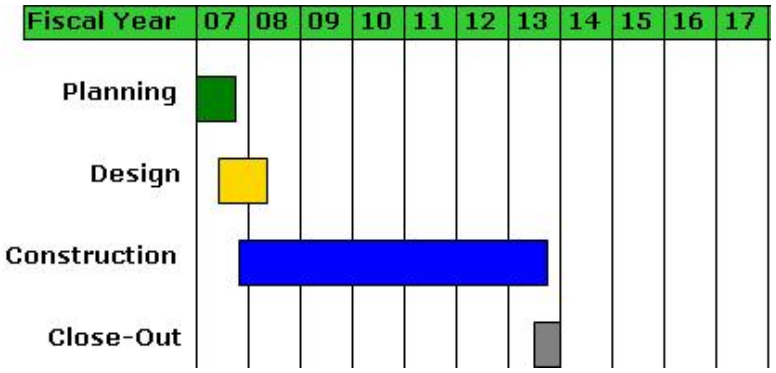
PROJECT LOCATION

Project Location

PROJECT SCHEDULE

January 2004 to June 2013

Construction includes 5 years of mitigation compliance monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
SMP Mitigation, Pajaro Basin Freshwater Wetland	1,131	728	2,630	105	105	105	65	80	4,949
with inflation	1,131	728	2,630	108	111	115	73	93	4,989

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
SMP Mitigation, Pajaro Basin Freshwater Wetland	1,955	1,327	1,423	1,207	108	111	115	73	93	4,989

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Uvas/Llagas Fund – 80%	3,991
SCVWD Watershed Stream Stewardship Fund – 20%	998
Total	4,989

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $50,000 per year.

USEFUL LIFE: 50+ Years

Project	SMP Mitigation, Stream and Watershed Land Preservation
Program	Mitigation
Priority No.	99
Project No.	62184001
District Contact	Katherine Oven koven@valleywater.org

Creek-side settings such as this will be used for Stream and Watershed Land Preservation. Actual locations will differ.

PROJECT DESCRIPTION

This project preserves streams and watershed lands in the Santa Clara Basin and implements appropriate restorations in these lands to accomplish the following objectives:

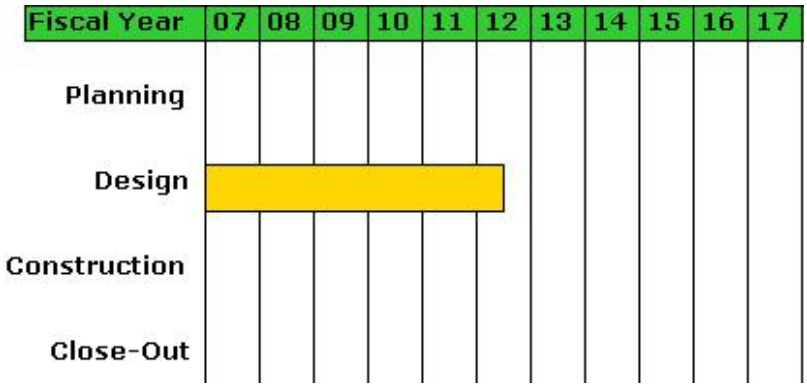
- Provide 71 acres of Stream Maintenance Program (SMP) mitigation credits through preservation of approximately 720 to 950 acres of streams and watershed lands to provide long-term protection of unique and valuable local stream resources and watersheds, in a largely self-sustaining setting. Approximately 108 acres of the total land preservation will be for protection of riparian and upland habitats that are known to support California red-legged frogs and Western pond turtles.
- Provide approximately 10 acres of SMP mitigation credits through environmental restoration on the lands acquired.
- Seek opportunities to partner with other organizations to accomplish the project objectives.

PROJECT LOCATION

The project will purchase multiple sites for preservation in Santa Clara Basin. No map is provided.

PROJECT SCHEDULE

January 2002 to December 2011



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
SMP Mitigation, Stream and Watershed Land Preservation	203	4,775	5,456	1,713	1,713	1,713	1,713	0	17,286
with inflation	203	4,775	5,456	1,764	1,817	1,872	1,928	0	17,816

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
SMP Mitigation, Stream and Watershed Land Preservation	7,463	1,137	3,622	1,834	1,764	1,817	1,872	1,928	0	17,816

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

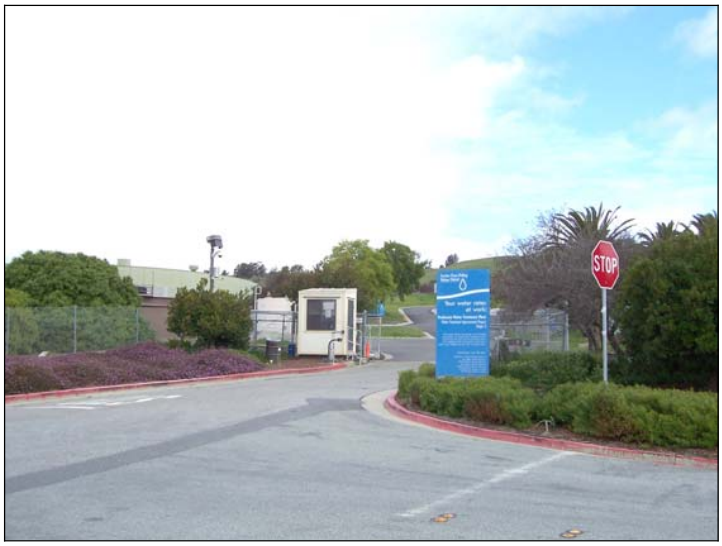
(in thousands $)

SCVWD Lower Peninsula Fund—5%	891
SCVWD West Valley Fund—19%	3,385
SCVWD Guadalupe Fund—23%	4,098
SCVWD Coyote Fund—34%	6,057
SCVWD Watershed Stream Stewardship Fund—19%	3,385
Total	17,816

OPERATING COST IMPACTS

Operating cost will vary, depending on each specific site, and will be provided for each land preservation opportunity, as they are identified.

Project	WTIP Mitigation, PWTP Landscape and Site Improvements
Program	Mitigation
Priority No.	84
Project No.	93234037
District Contact	Gary Kawaoka gkawaoka@valleywater.org

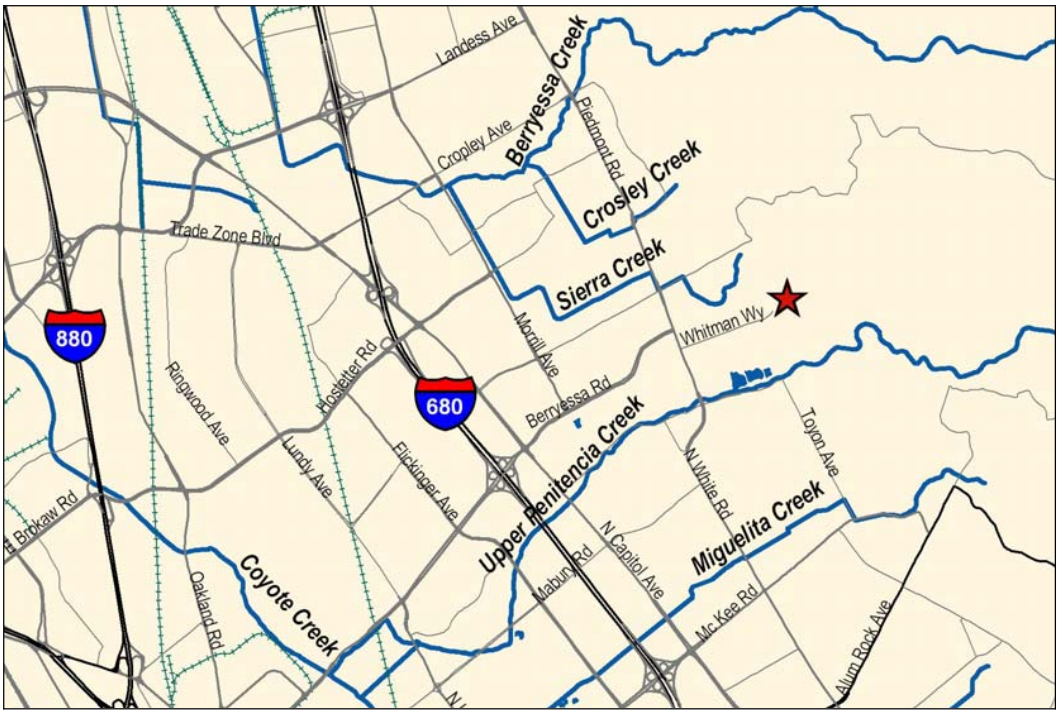


The main entrance to Penitencia Water Treatment Plant, where a new front entrance and landscaping will improve the public's view of the plant

PROJECT DESCRIPTION

This project plans, designs and constructs landscaping and aesthetic improvements at the Penitencia Water Treatment Plant (PWTP) to comply with the California Environmental Quality Act (CEQA) mitigation measures specified in the Board-adopted Mitigated Negative Declaration for the Water Treatment Improvement Project (WTIP) Project, Stage 2.

PROJECT LOCATION

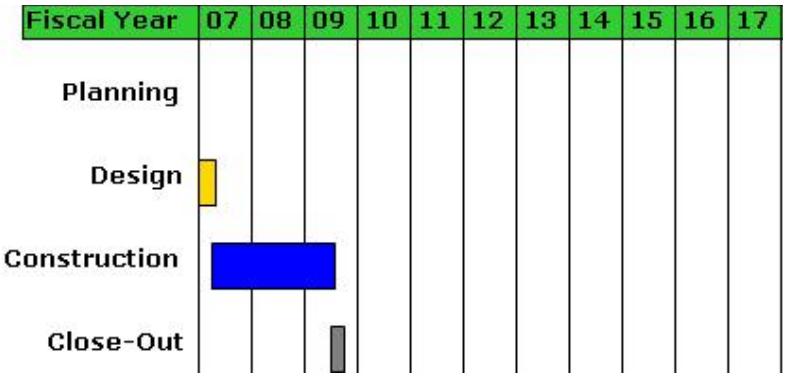


Project Location

PROJECT SCHEDULE

April 2004 to March 2009

Planning phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
WTIP Mitigation, PWTP Landscape and Site Improvements	1,173	3,408	570	140	0	0	0	0	5,291
with inflation	1,173	3,408	570	144	0	0	0	0	5,295

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
WTIP Mitigation, PWTP Landscape and Site Improvements	2,615	2,244	278	292	144	0	0	0	0	5,295

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,295
Other Funding Source	0
Total	5,295

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $1,000 per year.

USEFUL LIFE: 50+ Years

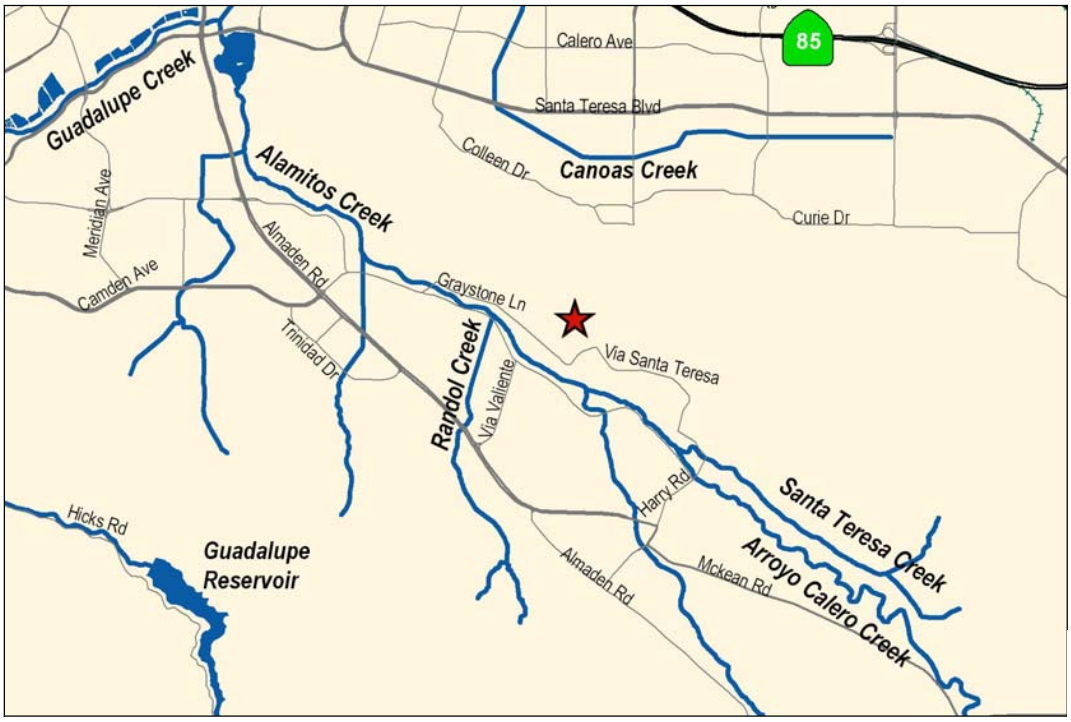
Project	WTIP Mitigation, STWTP Landscape Improvements
Program	Mitigation
Priority No.	93
Project No.	93284032
District Contact	Gary Kawaoka gkawaoka@valleywater.org

Aerial view of Santa Teresa Water Treatment Plant and its surroundings

PROJECT DESCRIPTION

This project plans, designs and constructs landscaping and erosion mitigation improvements at the Santa Teresa Water Treatment Plant (STWTP), to comply with the California Environmental Quality Act (CEQA) mitigation measures specified in the Board-adopted Mitigated Negative Declaration for the Water Treatment Improvement Project (WTIP) Project, Stage 2.

PROJECT LOCATION

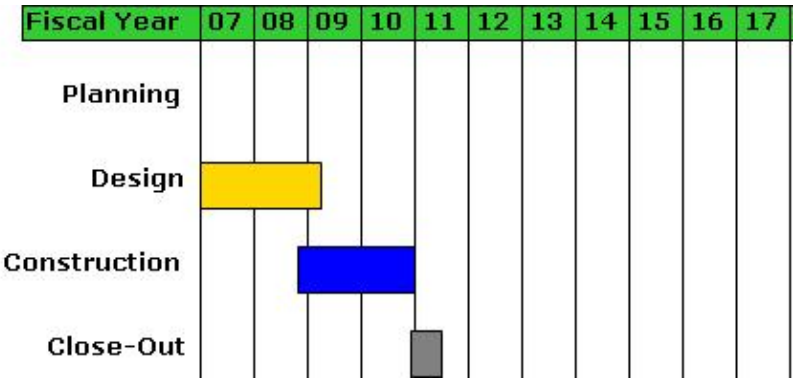


Project Location

PROJECT SCHEDULE

April 2004 to December 2010

Planning phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
WTIP Mitigation, STWTP Landscape Improvements	574	157	1,534	956	34	143	0	0	3,398
with inflation	574	157	1,534	985	36	156	0	0	3,442

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
WTIP Mitigation, STWTP Landscape Improvements	2,561	-44	1,786	0	733	36	156	0	0	3,442

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,442
Other Funding Source	0
Total	3,442

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $15,000 per year.

USEFUL LIFE: 50+ Years

ENVIRONMENTAL ENHANCEMENT CAPITAL IMPROVEMENTS

ENVIRONMENTAL ENHANCEMENT OVERVIEW

The environmental enhancement capital improvements are implemented to meet the Board's Ends Policy E–3.3, "Environmental enhancements are implemented to improve watersheds, streams, and the natural resources therein."

The District's Clean, Safe Creeks and Natural Flood Protection Program, approved by the voters of Santa Clara County in 2000, committed funding for environmental enhancement activities that create or restore tidal or riparian habitat. A selection process is conducted biannually to allocate the Clean, Safe Creeks funding to the enhancement opportunities that meet Board-defined characteristics.

Other enhancement opportunities, typically not funded by the Clean, Safe Creeks Program are also recommended to the Board and implemented if determined appropriate by the Board.

In both cases, the approved opportunities include both capital projects and operational activities. The capital projects are included in the CIP.

Major Capital Improvements Identified in CIP

- Clean, Safe Creeks environmental enhancement capital projects
- Alviso Slough Restoration project
- Gold Street Education Center project
- Natural Resource Damage Assessment enhancement opportunity

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to rate the environmental enhancement projects against other types of capital improvements. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for environmental enhancement capital improvements was conducted to determine if there are limitations to funding currently planned capital projects.

- 5 Watershed Funds
- Watershed Stream Stewardship Fund
- Clean Safe Creek Fund
- Water Enterprise Fund

Results of this year's prioritization process are summarized in Appendix B. The process concluded that funding needs for currently planned environmental enhancement projects can be met.

ENVIRONMENTAL ENHANCEMENT CAPITAL IMPROVEMENTS

The following table is a project funding schedule for environmental enhancement capital improvements, resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the page number identified. The chart also identifies partially funded projects and estimated unspent appropriations from FY 2006-07.

Environmental Enhancement Capital Improvements

Pg #	Project Name	Thru FY06	FY07	FY07 Unspent	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total District
VI-3	Alviso Slough Restoration	1,664	436	0	484	1,904	143	0	0	0	4,631
VI-5	CSC Soap Lake Floodplain Property Acquisition	0	2	0	255	27	0	0	0	0	284
VI-7	CSC Stevens Creek Corridor Restoration, Blackberry Farms	0	300	119	318	0	219	0	0	0	837
VI-9	CSC Upper Pajaro Watershed Vegetative Buffer Strips	441	36	144	76	98	0	0	0	0	651
VI-11	Gold Street Educational Center	97	9	0	295	414	0	0	0	0	815
VI-13	NRDA Enhancement, Jacques Gulch Restoration	1,483	580	858	47	3,766	286	76	45	0	6,283
	TOTAL	**3,685**	**1,363**	**1,121**	**1,475**	**6,209**	**648**	**76**	**45**	**0**	**13,501**

FY 2006-07 Funds to be reappropriated

The following table shows funding requirements from each funding source for environmental enhancement capital improvements.

Environmental Enhancement - Funding Sources

Funding Sources	Thru FY05	FY06	FY06 Unspent	FY07	FY08	FY09	FY10	FY11	FY 12-16	Total District
Guadalupe Watershed Fund	1,761	445	0	779	2,318	143	0	0	0	5,446
Clean, Safe Creeks and Natural Flood Protection Fund	441	338	263	431	125	0	0	0	0	1,335
Water Enterprise Fund	1,483	580	858	265	3,766	505	76	45	0	6,720
TOTAL	**3,685**	**1,363**	**1,121**	**1,475**	**6,209**	**648**	**76**	**45**	**0**	**13,501**

FY 2006-07 Funds to be reappropriated

Project	**Alviso Slough Restoration**
Program	Environmental Enhancement
Priority No.	32
Project No.	30154029
District Contact	Katherine Oven koven@valleywater.org

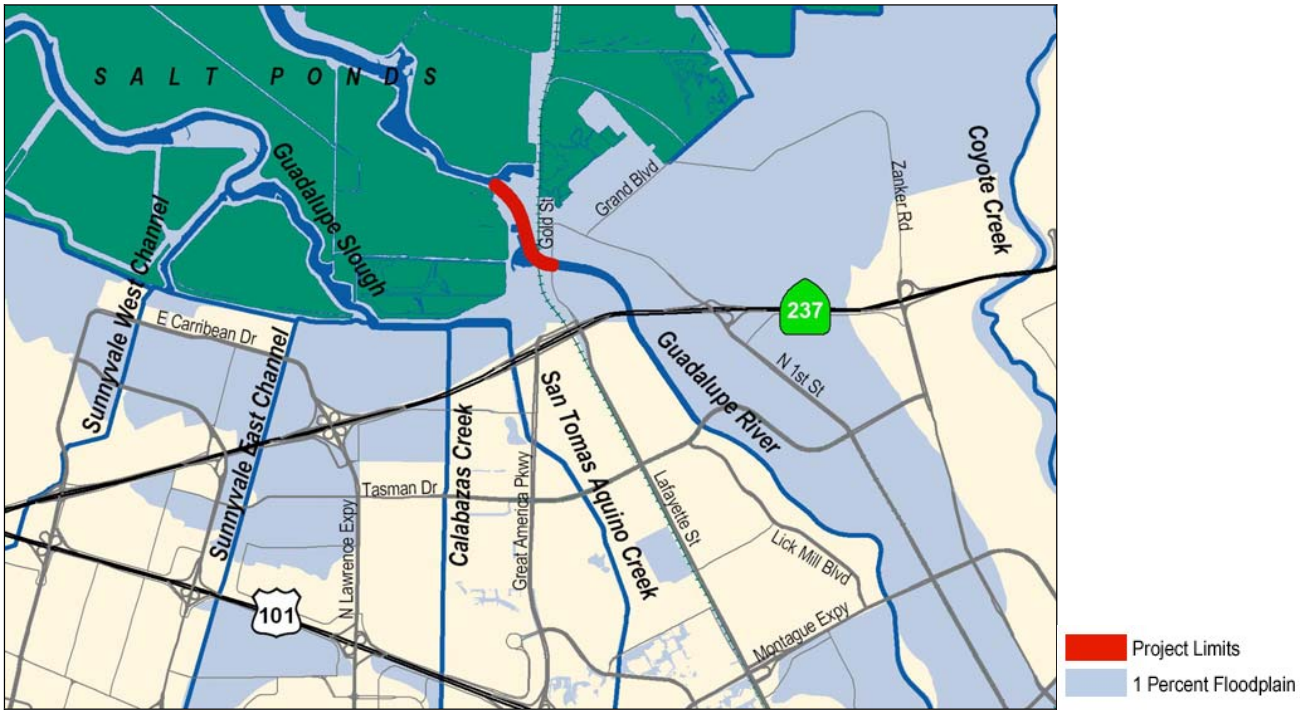
Alviso Slough as seen from Gold Street Bridge

PROJECT DESCRIPTION

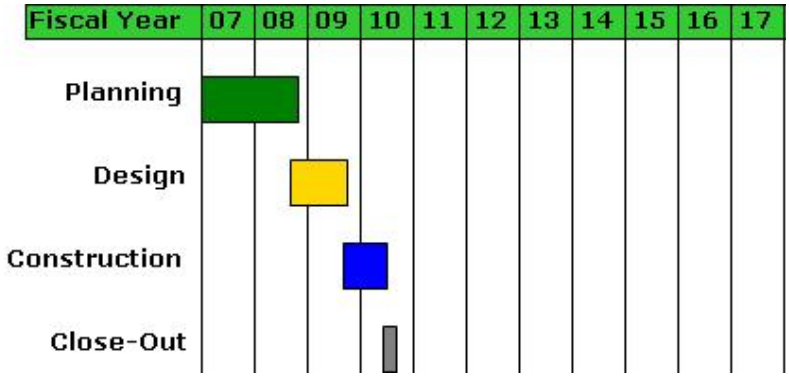
This project plans, designs and constructs improvements to remove 7 acres of vegetation and root mass from Alviso Slough between the Gold Street Bridge and County Marina to accomplish the following objectives:

- Restore the slough's open water channel width to conditions that existed prior to 1983.
- Improve navigation so the community can expand on boating and other recreational opportunities.
- Restore historic and public access and aesthetics for the Alviso community.
- Maintain one-percent flood protection in Alviso Slough.
- Reduce mosquito nuisance.
- Expand open water habitat and inundated mudflat habitat of the slough.
- Promote integration with the Salt Pond Restoration Program to bring salt water connections to the Lower Guadalupe River.

PROJECT LOCATION



PROJECT SCHEDULE
November 2004 to February 2010



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Alviso Slough Restoration	1,669	431	484	1,603	135	0	0	0	4,322
with inflation	1,669	431	484	1,904	143	0	0	0	4,631

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Alviso Slough Restoration	1,664	436	0	484	1,904	143	0	0	0	4,631

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Guadalupe Fund	4,631
Other Funding Sources	0
Total	**4,631**

OPERATING COST IMPACTS
Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 50+ Years

Project	CSC Soap Lake Floodplain Property Acquisition
Program	Environmental Enhancement
Priority No.	34
Project No.	26074009
District Contact	Marc Klemencic mklemencic@valleywater.org

No Picture Available

PROJECT DESCRIPTION

This project partners with various regional stakeholders to acquire easements or property as recommended by the Pajaro River Flood Prevention Authority's Soap Lake Preservation Project to accomplish the following objectives.

- Secure development rights to prevent development and preserve the Pajaro River floodplain referred to as the Soap Lake floodplain.
- Implement environmental, floodplain, and water quality measures, consistent with the voter-approved Clean, Safe Creeks and Natural Flood Protection Program Environmental Enhancement Program (EEP) Outcome #3 objective: Create wetlands, riparian habitat, and favorable stream conditions for fisheries and wildlife.

Clean, Safe Creeks funds in the amount of $250,000 have been budgeted and will be combined with funds from project partners.

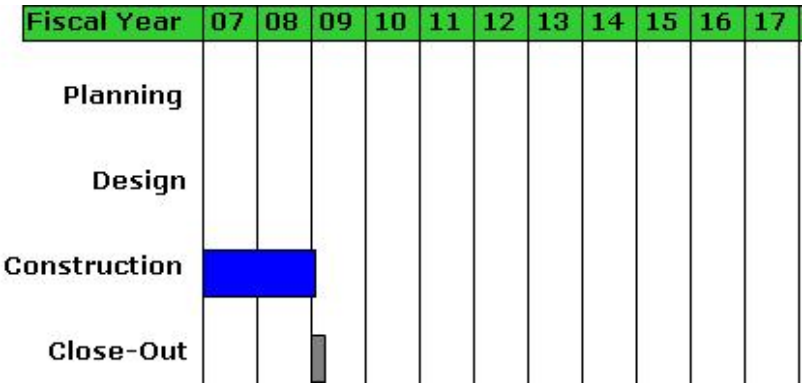
PROJECT LOCATION

PROJECT SCHEDULE

July 2006 to September 2008

The schedule for this project is dependent on the availability of willing sellers. Property acquisition is shown in the construction phase.

Planning and design phases are not applicable to this project.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
CSC Soap Lake Floodplain Property Acquisition	0	2	255	26	0	0	0	0	283
with inflation	0	2	255	27	0	0	0	0	284

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
CSC Soap Lake Floodplain Property Acquisition	0	2	0	255	27	0	0	0	0	284

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Program)	284
Other Funding Source	0
Total	284

OPERATING COST IMPACTS

Since the District is not likely to hold title on the properties acquired, the completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 50+ Years

Project	CSC Stevens Creek Corridor Restoration, Blackberry Farms
Program	Environmental Enhancement
Priority No.	38
Project No.	26074008
District Contact	Beau Goldie bgoldie@valleywater.org

Stevens Creek, looking downstream, near McClellan Ranch

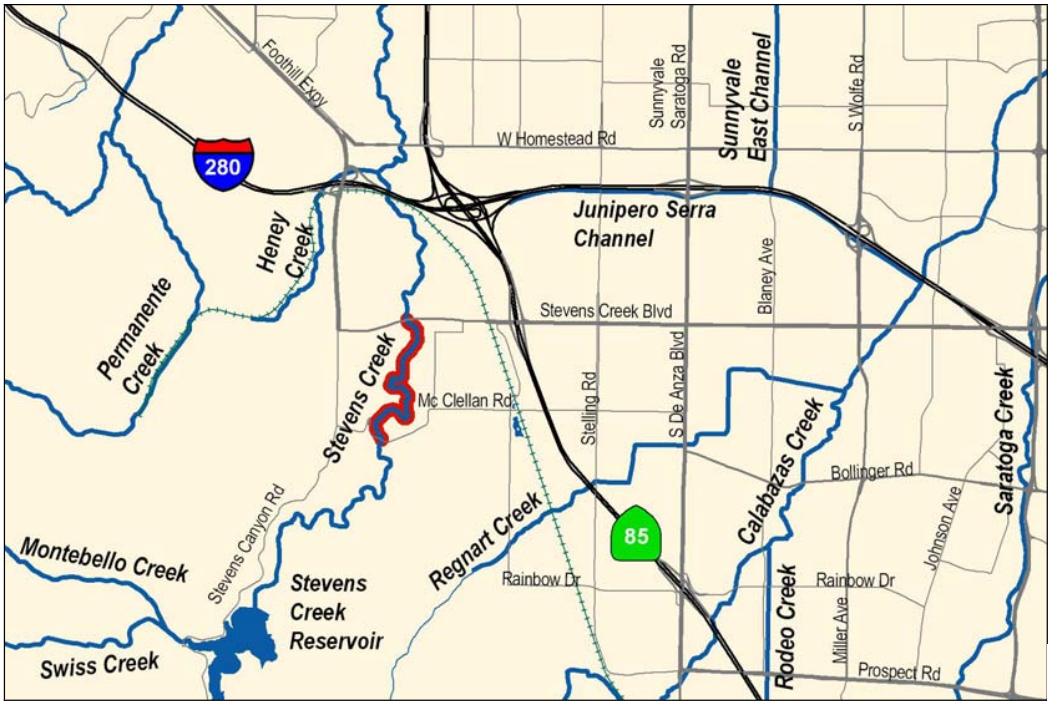
PROJECT DESCRIPTION

This project partners with the City of Cupertino, who will construct improvements to Stevens Creek, from Stevens Creek Boulevard to McClellan Road near Blackberry Farms, to accomplish the following objectives:

- Restore four acres of Stevens Creek riparian habitat.
- Fulfill part of the District's Fish and Aquatic Habitat Collaborative Effort (FAHCE) requirements.
- Remove four fish barriers.
- Implement environmental, floodplain, and water quality benefits, consistent with the voter-approved Clean, Safe Creeks and Natural Flood Protection Environmental Enhancement Program (CSC) Outcome #3 objective: Create wetlands, riparian habitat, and favorable stream conditions for fisheries and wildlife.

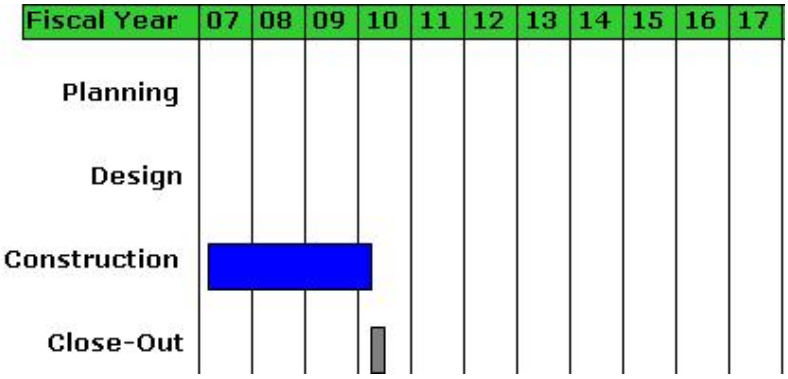
This project is one element of a larger project that is being done by the City of Cupertino, to convert a corporate picnicking business to a community park with environmental emphasis and creek restoration. The District will oversee the elements of the project that relate to the District's environmental enhancement objectives. Planning and Design were funded in the District's operating program.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
September 2006 to December 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
CSC Stevens Creek Corridor Restoration, Blackberry Farms	0	181	437	0	200	0	0	0	818
with inflation	0	181	437	0	212	0	0	0	830

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
CSC Stevens Creek Corridor Restoration, Blackberry Farms	0	300	119	318	0	212	0	0	0	830

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund, Environmental Enhancement Program	400
SCVWD Water Utility Enterprise Fund FAHCE Program	430
Total	**830**

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs, because the facility is owned by the City of Cupertino.

USEFUL LIFE: 50+ Years

Project	CSC Upper Pajaro Watershed Vegetative Buffer Strips
Program	Environmental Enhancement
Priority No.	34
Project No.	26074040
District Contact	Marc Klemencic mklemencic@valleywater.org

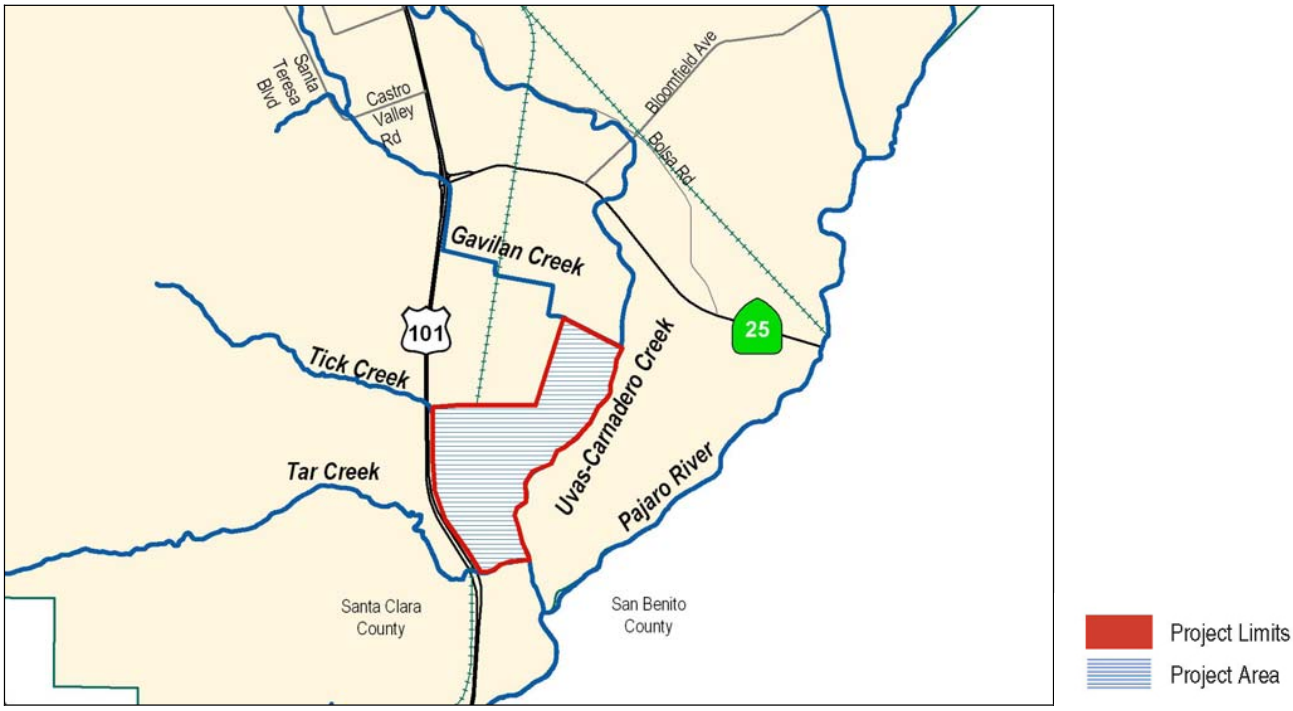
Installation of grass buffer strip between row crops on the left and a drainage channel on the right

PROJECT DESCRIPTION

This project plans, designs, installs, and monitors approximately 3 acres of vegetative buffer or filter strips, composed primarily of native perennial grasses, installed between actively farmed land and a surface water body, within the Pajaro River Watershed. The project also produces and distributes an irrigation management brochure. This project is consistent with the following objectives:

- Comply with provisions of the State Water Resources Control Board (SWRCB) 2003 Clean Water Act 319(h) Non-Point Source Implementation Grant contract.
- Promote compliance with future total maximum daily load (TMDL) requirements for sediment and nutrients in the Pajaro River.
- Implement environmental, floodplain, and water quality benefits, consistent with the voter-approved Clean, Safe Creeks and Natural Flood Protection Program Environmental Enhancement Program (CSC) Outcome #3 objective: Create wetlands, riparian habitat, and favorable stream conditions for fisheries and wildlife.

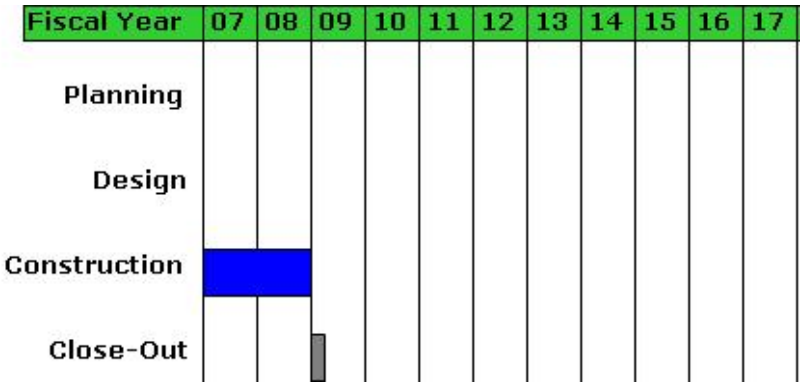
PROJECT LOCATION



PROJECT SCHEDULE

January 2004 to September 2008

Planning and design phases are complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
CSC Upper Pajaro Watershed Vegetative Buffer Strips	308	25	220	95	0	0	0	0	648
with inflation	308	25	220	98	0	0	0	0	651

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Fund	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
CSC Upper Pajaro Watershed Vegetative Buffer Strips	441	36	144	76	98	0	0	0	0	651

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Program)	498
SWRCB Non-Point Source Implementation Grant	153
Total	651

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 50+ Years

Project	Gold Street Educational Center
Program	Environmental Enhancement
Priority No.	18
Project No.	30154028
District Contact	Katherine Oven koven@valleywater.org

Proposed location of the Gold Street Educational Center on State Lands Commission property adjacent to the Guadalupe River.

PROJECT DESCRIPTION

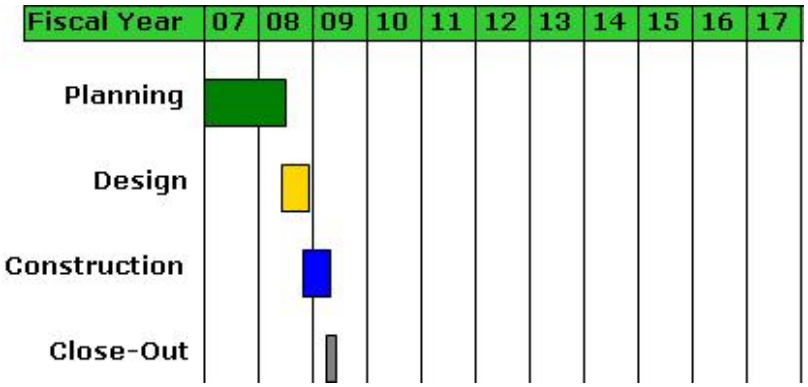
This project plans, designs, and constructs improvements at Gold Street, adjacent to the Guadalupe River in Alviso, to provide an outdoor educational center for the Alviso community that may incorporate the following elements:

- Interpretive displays.
- Landscaping with native vegetation.
- A trailhead that links to recreation trails.

PROJECT LOCATION

PROJECT SCHEDULE

December 2004 to November 2008



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Gold Street Educational Center	77	29	295	348	0	0	0	0	749
with inflation	77	29	295	414	0	0	0	0	815

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Proposed Budget	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Gold Street Educational Center	97	9	0	295	414	0	0	0	0	815

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Guadalupe Fund	815
Other Funding Source	0
Total	815

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 50+ Years

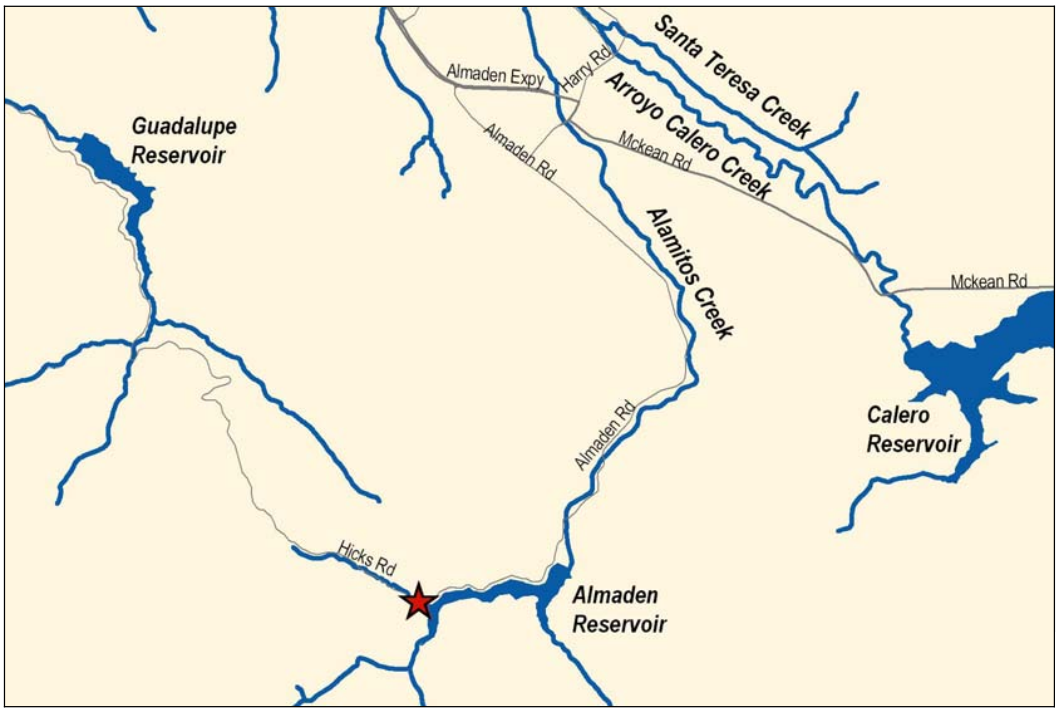
Project	NRDA Enhancement, Jacques Gulch Restoration
Program	Environmental Enhancement
Priority No.	28
Project No.	91854002
District Contact	Jim Fiedler jfiedler@valleywater.org

Geotechnical analysis of calcine deposits to determine mercury depth and concentration.

PROJECT DESCRIPTION

This project removes highly toxic mercury at Jacques Gulch, a tributary to the Almaden Reservoir, to restore habitat, improve and protect water quality at Almaden Reservoir, and comply with the conditions specified in the Natural Resource Damage Assessment (NRDA) settlement.

PROJECT LOCATION

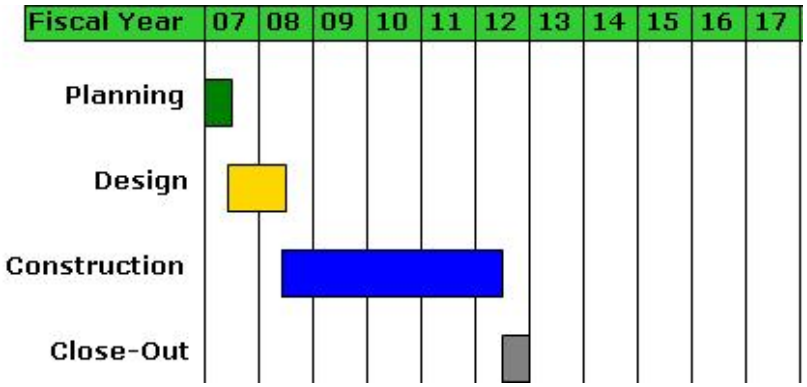


Project Location

PROJECT SCHEDULE

April 2003 to June 2012

Construction includes 3 years of monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
NRDA Enhancement - Jacques Gulch Restoration	1,015	190	905	3,110	270	70	40	0	5,600
with inflation	1,015	190	905	3,766	286	76	45	0	6,284

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
NRDA Enhancement - Jacques Gulch Restoration	1,483	580	858	47	3,766	286	76	45	0	6,284

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,221
Guadalupe Rubbish Disposal Company	63
Total	**6,284**
County of Santa Clara	4,000

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $5,000 per year.

USEFUL LIFE: 50+ Years

BUILDING AND GROUNDS CAPITAL IMPROVEMENTS

BUILDINGS AND GROUNDS OVERVIEW

The District's Almaden-Winfield campus occupies nearly 50 acres along Almaden Expressway in the City of San Jose.
The District manages the campus to ensure a healthful and safe work environment for employees and visitors. The campus includes 10 buildings, multiple parking lots, a corporation yard, landscaping, and other appurtenances.

With most of the buildings on campus over 30 years old, the rehabilitation needs increased steadily in recent years. The District administers an asset management program for its buildings and grounds infrastructure that includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended over its useful life.

Major Capital Improvements Identified in the CIP

- Almaden Campus Data Center Upgrade
- Almaden Campus Administration Building Seismic Retrofit
- Almaden & Winfield Campus Small Capital Improvements

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to rate the buildings and grounds projects against other types of capital improvements. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for buildings and grounds capital improvements was conducted to determine if there are limitations to funding all the proposed capital projects.

- Five Watershed Funds
- Watershed Stream Stewardship Fund
- General Fund
- Water Enterprise Fund

Results of this year's prioritization process and financial analysis are summarized in Appendix B. The process concluded that the higher priority buildings and grounds capital needs can be met.

BUILDING AND GROUNDS CAPITAL IMPROVEMENTS

The following table is a project funding schedule for buildings and grounds capital improvements, resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the page number identified. The chart also identifies partially funded projects and estimated unspent appropriations from FY 2006-07.

Buildings and Grounds Capital Improvements

Pg #	Project Name	Thru FY06	FY07	Unspent as of FY07	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
VII-3	Almaden and Winfield Campus, Small Capital Improvements	n/a	1,360	0	2,060	2,060	2,122	2,185	2,251	12,309	24,347
VII-5	Almaden Campus, Administration Building Seismic Retrofit	138	9	0	973	5,666	265	0	0	0	7,051
VII-7	Almaden Campus, Data Center Upgrade	590	700	1,185	198	0	0	0	0	0	1,488
VII-9	Almaden Campus Expansion	5,951	2,967	8,907	3	12,586	0	0	0	0	21,507
VII-11	Corporation Yard Relocation	0	0	0	760	258	0	0	0	0	1,018
VII-13	Telephones at Treatment Plants and Vasona	1,236	12	636	903	0	0	0	0	0	2,151
	TOTAL	**7,915**	**5,048**	**10,728**	**4,897**	**20,570**	**2,387**	**2,185**	**2,251**	**12,309**	**57,562**

FY 2006-07 Funds to be reappropriated

The following table shows funding requirements from each funding source for buildings and grounds capital improvements.

Buildings and Grounds – Funding Sources

Funding Sources	Thru FY06	FY07	FY07 Unspent	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
Lower Peninsula Watershed Fund	0	0	0	144	422	19	0	0	0	585
West Valley Watershed Fund	0	0	0	134	366	16	0	0	0	516
Guadlaupe Watershed Fund	0	0	0	186	543	24	0	0	0	754
Coyote Watershed Fund	0	0	0	132	312	13	0	0	0	457
Uvas/Llagas Watershed Fund	0	0	0	73	131	5	0	0	0	209
Watershed Stream Stewardship Fund	0	0	0	161	482	21	0	0	0	664
Water Enterprise Fund	1,236	12	636	1,805	3,668	167	0	0	0	6,887
General Fund	6,679	5,036	10,092	2,261	14,646	2,122	2,185	2,251	12,309	47,489
Buildings and Grounds Total	**7,915**	**5,048**	**10,728**	**4,897**	**20,570**	**2,387**	**2,185**	**2,251**	**12,309**	**57,562**

FY 2006-07 Funds to be reappropriated

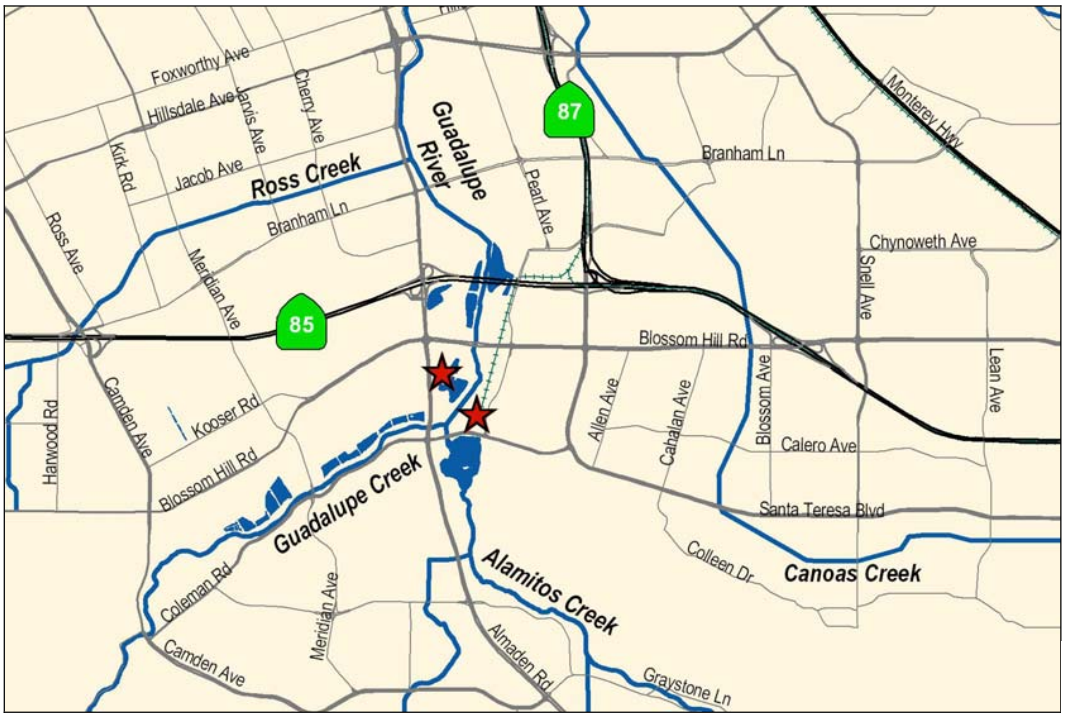
Project	Almaden and Winfield Campus, Small Capital Improvements
Program	Buildings and Grounds
Priority No.	74
Project No.	60204016
District Contact	Frank Maitski fmaitski@valleywater.org

Workers perform asphalt maintenance by putting an overlay on the existing parking lot in front of the District's Administration Building.

PROJECT DESCRIPTION

This project reserves funding for capital maintenance and replacement of buildings, grounds, and facilities on the Almaden and Winfield campus, to provide a healthy and safe environment for staff and visitors.

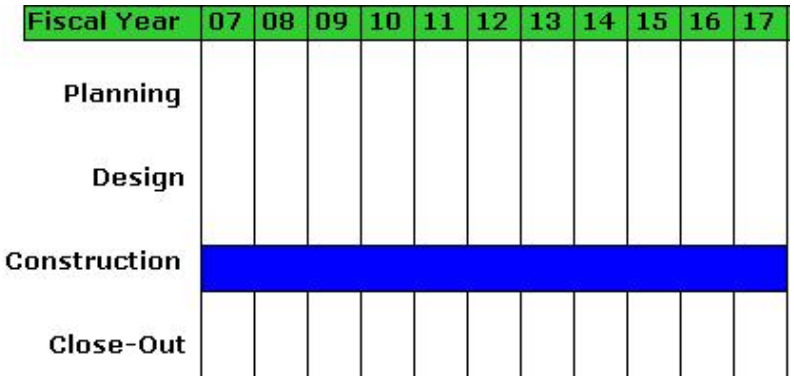
PROJECT LOCATION



Project Location

PROJECT SCHEDULE

Improvements will be managed on an as-needed basis throughout the year.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Almaden and Winfield Campus, Small Capital Improvements	n/a	1,360	2,060	2,000	2,000	2,000	2,000	10,000	21,420
with inflation	n/a	1,360	2,060	2,060	2,122	2,185	2,251	12,309	24,348

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Almaden and Winfield Campus, Small Capital Improvements	n/a	1,360	0	2,060	2,060	2,122	2,185	2,251	12,309	24,348

Adjusted Budget includes adopted budget plus budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	24,348
Other Funding Source	0
Total	24,348

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs. The purpose of these maintenance projects is to avoid unnecessary financial impact cause by building shut-down and work stoppage.

USEFUL LIFE: 50+ Years

Project	Almaden Campus, Administration Building Seismic Retrofit
Program	Buildings and Grounds
Priority No.	48
Project No.	60204028
District Contact	Michael Hamer mhamer@valleywater.org

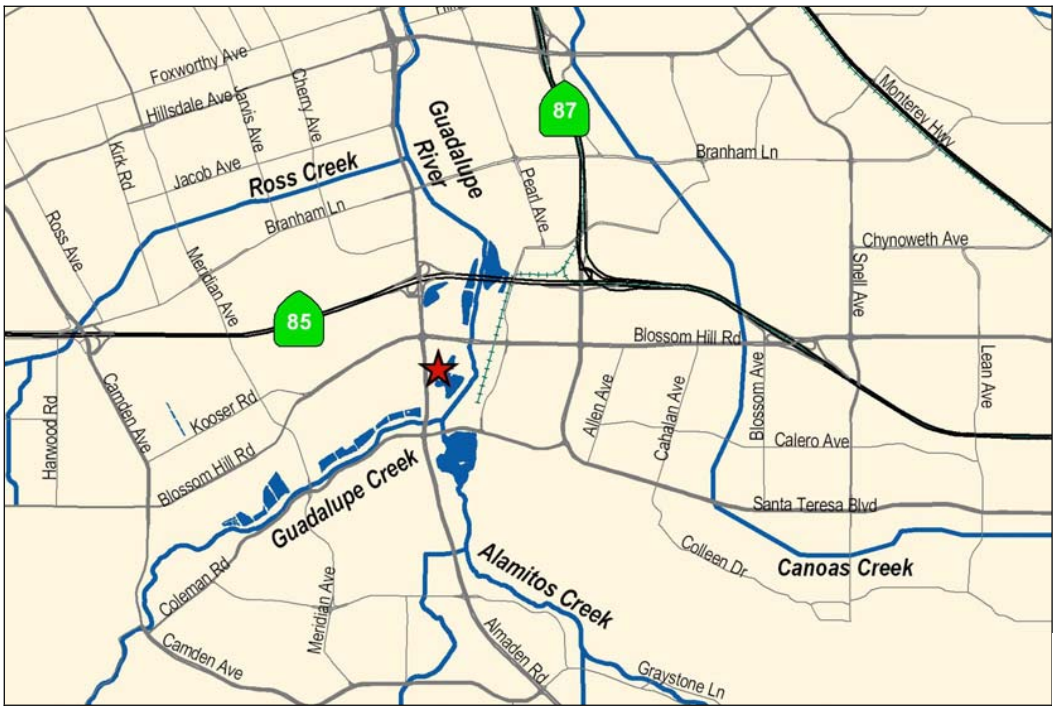
The District's Administration Building

PROJECT DESCRIPTION

This project plans, designs, and constructs seismic upgrades at the District's Administration Building to accomplish the following objectives:

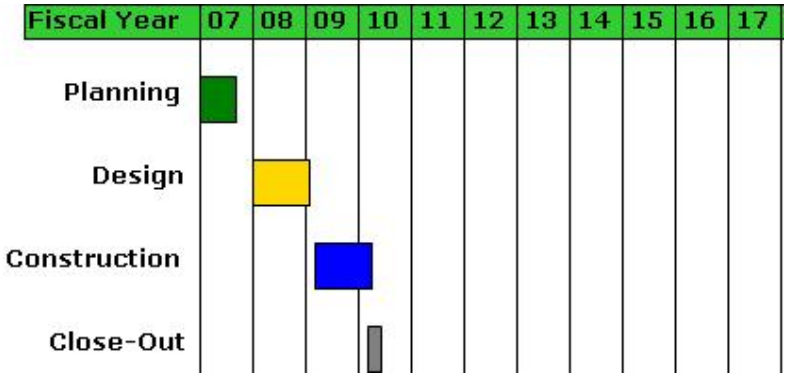
- Comply with current building codes and design standards.
- Ensure a safe work environment for District employees.

PROJECT LOCATION



Project Location

PROJECT SCHEDULE
January 2006 to November 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Almaden Campus , Administration Building Seismic Upgrades	12	135	973	4,800	250	0	0	0	6,170
with inflation	12	135	973	5,666	265	0	0	0	7,051

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Fund	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Almaden Campus , Administration Building Seismic Upgrades	138	9	0	973	5,666	265	0	0	0	7,051

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES
(in thousands $)

SCVWD Lower Peninsula Fund—7%	483
SCVWD West Valley Fund—6%	414
SCVWD Guadalupe Fund—9%	621
SCVWD Coyote Fund—5%	345
SCVWD Uvas Llagas Fund—2%	138
SCVWD Watershed/Stream Stewardship Fund—8%	552
SCVWD Water Utility Enterprise Fund—63%	4,350
SCVWD General Fund*	147
Total	7,051

*Funding prior to FY 2008 is borne by the General Fund. Allocation to the other funds (above) begins in FY 2008.

OPERATING COST IMPACTS
The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: 50+ Years

Project	Almaden Campus Data Center Upgrade
Program	Buildings and Grounds
Priority No.	58
Project No.	60194002
District Contact	Seth Johnson sjohnson@valleywater.org

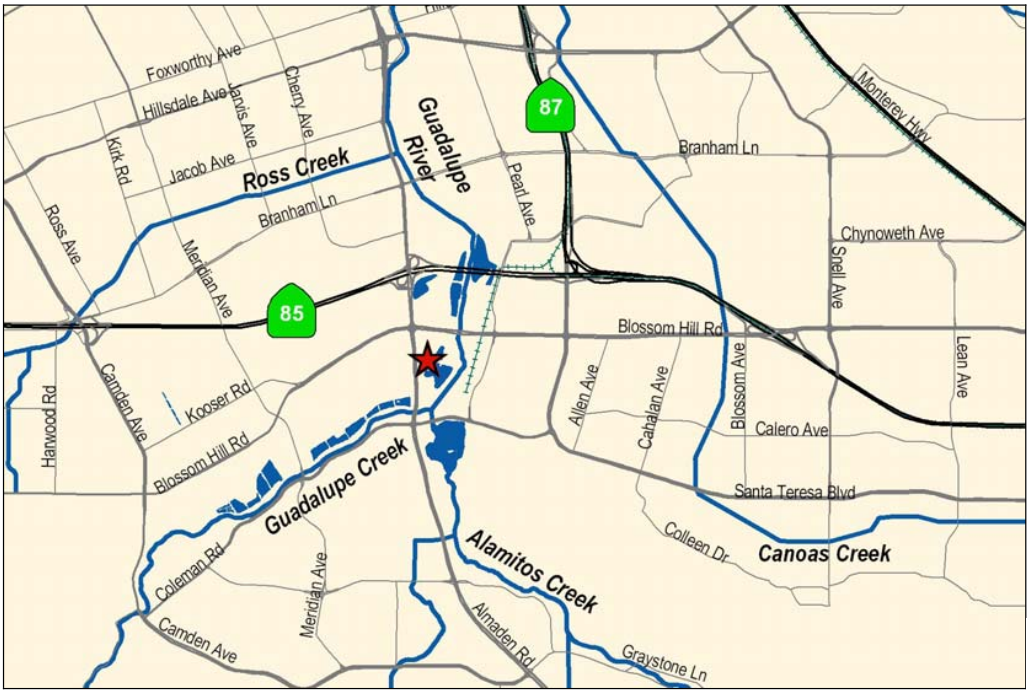
The old computer room was originally designed to house a mainframe computer. With the innovation in computers today, the computer room will be reconfigured to support a server farm.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the District's Data Center to accomplish the following objectives:

- Implement an uninterruptible power supply solution that can grow with District needs and generate as little heat as possible.
- Reconfigure the Data Center cooling system to draw out heat and force in cool air in specific areas of the room where it is needed.
- Reconfigure space to support server farm.
- Provide adequate generator capacity to allow air conditioning systems to remain functional.
- Replace the raised floor and reroute cables, conduit, power lines, and telephone equipment above the floor.
- Implement a fire suppressing solution that puts the Data Center at minimum risk of a water discharge inside the room.

PROJECT LOCATION

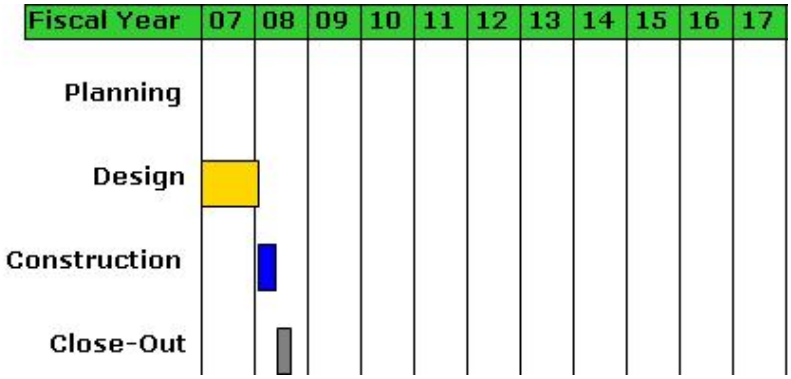


Project Location

PROJECT SCHEDULE

July 2005 to February 2008

Planning phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Almaden Campus Data Center Upgrade	80	25	1,383	0	0	0	0	0	1,488
with inflation	80	25	1,383	0	0	0	0	0	1,488

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Almaden Campus Data Center Upgrade	590	700	1,185	198	0	0	0	0	0	1,488

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	1,488
Other Funding Source	0
Total	1,488

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operations costs.

USEFUL LIFE: 10 to 15 Years

Project	Almaden Campus Expansion
Program	Buildings and Grounds
Priority No.	70
Project No.	60604002
District Contact	Frank Maitski fmaitski@valleywater.org

This project will relieve space issues and provide for increasec work efficiency

PROJECT DESCRIPTION

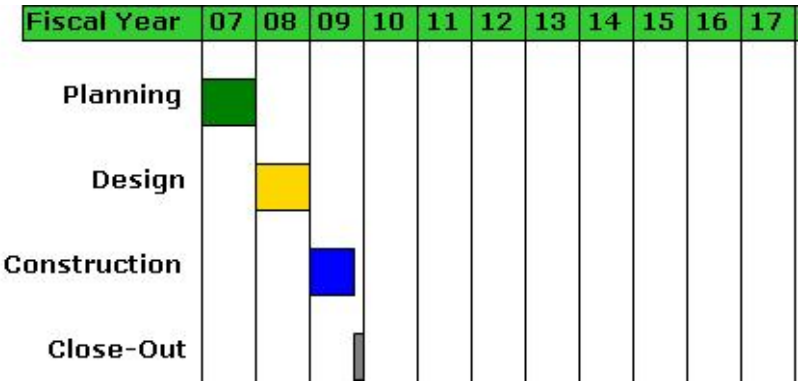
This project acquires approximately 50,000 to 70,000 square feet of office space within a 7-mile radium of the Almaden campus, with parking, T1 phone availability and proximity to public transportation, retail, and restaurants to accomplish the following objectives:

- Provide adequate space to solve space issues and eliminate off-campus leased space.
- Provide better staff organization and efficiency, morale, and teamwork.
- Eliminate approximately $480,000 in annual lease costs, while obtaining a long-term appreciable asset.

PROJECT LOCATION

A specific site for this project has not been determined.

PROJECT SCHEDULE
July 2005 to June 2009



EXPENDITURE SCHEDULE
(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Almaden Campus Expansion	1	10	8,910	11,850	0	0	0	0	20,771
with inflation	1	10	8,910	12,586	0	0	0	0	21,507

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE
(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Almaden Campus Expansion	5,951	2,967	8,907	3	12,586	0	0	0	0	21,507

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007. The expenditure and funding schedules for this project may require adjustment in FY 2008.

FUNDING SOURCES
(in thousands $)

SCVWD General Fund	21,507
Other Funding Source	0
Total	21,507

OPERATING COST IMPACTS
The completion of this project is anticipated to increase operating costs by approximately $205,000 per year.

USEFUL LIFE: 50 Years.

Project	Corporation Yard Relocation
Program	Buildings and Grounds
Priority No.	69
Project No.	60204031
District Contact	Michael Hamer mhamer@valleywater.org

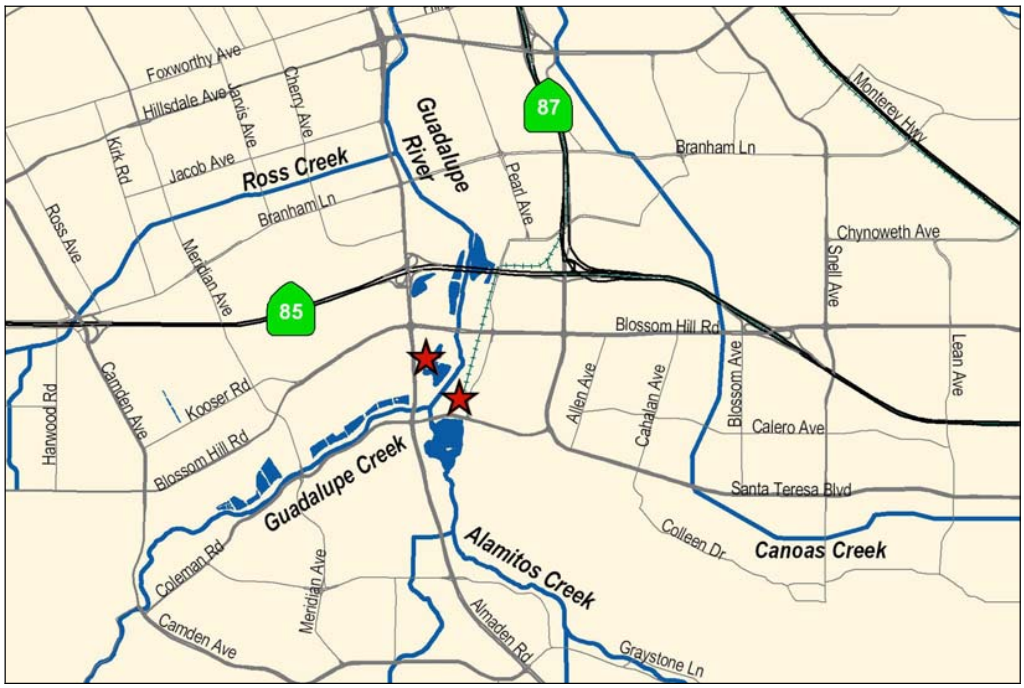
SCVWD Winfield Warehouse is part of the Corporation Yard

PROJECT DESCRIPTION

This project plans, designs, and constructs an off-site corporation yard, as defined in the 2004 program plan, for warehouse and vegetation functions located on the Winfield site to provide efficient and appropriate work space and corporation yard for the Vegetation and Watershed field staff, fleet, and warehouse.

This project is currently funded for the planning phase only. The scope, schedule, costs, and funding sources for design and construction phases will be determined at the completion of the planning phase.

PROJECT LOCATION

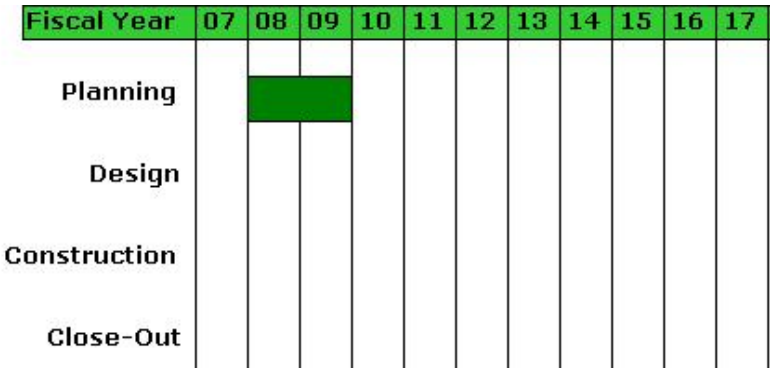


Project Location

PROJECT SCHEDULE

July 2007 to June 2009

(Planning Phase Only)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Corporation Yard Relocation	0	0	760	250	0	0	0	0	1,010
with inflation	0	0	760	258	0	0	0	0	1,018

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Corporation Yard Relocation	0	0	0	760	258	0	0	0	0	1,018

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund—10%	102
SCVWD West Valley Fund—10%	102
SCVWD Guadalupe Fund—13%	132
SCVWD Coyote Fund—11%	112
SCVWD Uvas/Llagas Fund—7%	71
SCVWD Watershed Stream Stewardship Fund—11%	112
SCVWD Water Utility Enterprise Fund—38%	387
Total	1,018

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: Not Available

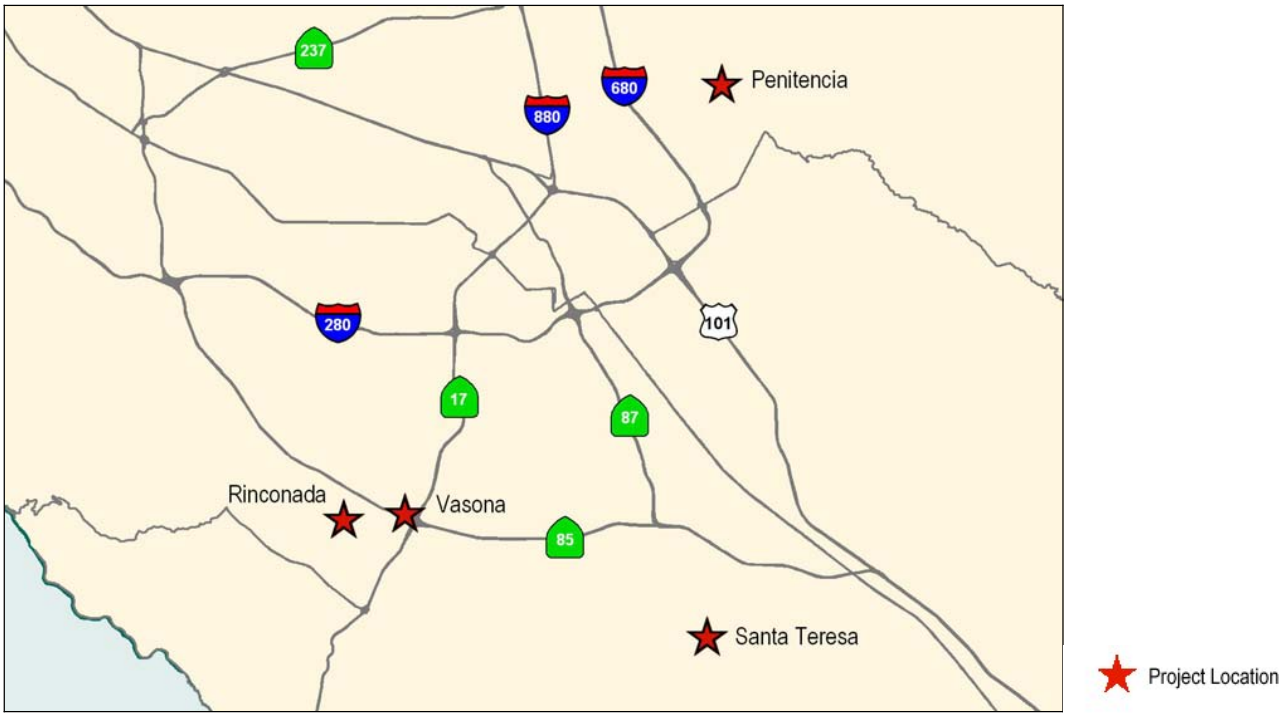
Project	Telephones at Treatment Plants and Vasona
Program	Buildings and Grounds
Priority No.	32
Project No.	93234038S
District Contact	Seth Johnson sjohnson@valleywater.org

An example of existing telecommunication cross-connects at District facilities

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to replace and update existing 18- to 29-year-old telecommunications equipment with expanded service capacity at the Penitencia Water Treatment Plant (PWTP), Santa Teresa Water Treatment Plant (STWTP), Rinconada Water Treatment Plant (RWTP), and Vasona Pumping Station, Meter Shop, and Pilot Plant.

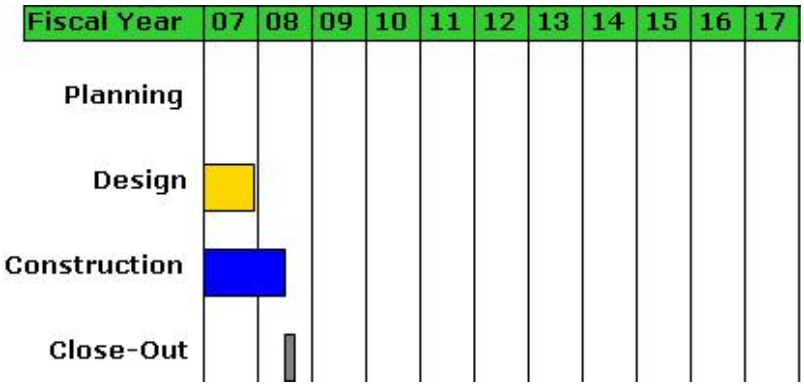
PROJECT LOCATION



PROJECT SCHEDULE

July 2003 to February 2008

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Telephones at Penitencia WTP	85	0	41	0	0	0	0	0	126
with inflation	85	0	41	0	0	0	0	0	126
Telephones at Rinconada WTP	119	1	877	0	0	0	0	0	997
with inflation	119	1	877	0	0	0	0	0	997
Telephones at Santa Teresa WTP	317	0	25	0	0	0	0	0	342
with inflation	317	0	25	0	0	0	0	0	342
Telephones at Vasona	90	0	413	0	0	0	0	0	503
with inflation	90	0	413	0	0	0	0	0	503
TOTAL	**611**	**1**	**1,356**	**0**	**0**	**0**	**0**	**0**	**1,968**
with inflation	**611**	**0**	**1,356**	**0**	**0**	**0**	**0**	**0**	**1,968**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Fund	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Telephones at Penitencia WTP	309	0	224	0	0	0	0	0	0	309
Telephones at Rinconada WTP	309	2	191	686	0	0	0	0	0	997
Telephones at Santa Teresa WTP	309	8	0	25	0	0	0	0	0	342
Telephones at Vasona	309	2	221	192	0	0	0	0	0	503
TOTAL	**1,236**	**12**	**636**	**903**	**0**	**0**	**0**	**0**	**0**	**2,151**

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007. The total planned expenditure for PWTP is $183,000 less than the available project funding. The unspent budget will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,151
Other Funding Source	0
Total	**2,151**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $18,000 per year.

USEFUL LIFE: 10 Years

INFORMATION TECHNOLOGY CAPITAL IMPROVEMENTS

INFORMATION TECHNOLOGY OVERVIEW

The District manages a sophisticated information technology system to ensure the District's intellectual property, information, and files are protected from loss or significant damage. In 2001, the District completed the Information System Master Plan (ISMP). Significant progress has been made toward meeting the goals and objectives of the ISMP since that time, in particular, the implementation of an Enterprise Resource System. The District administers an asset management program for its existing information technology system. The program includes a schedule for maintenance and rehabilitation to ensure that each system functions as intended over its useful life."

Major Capital Improvements Identified in the CIP

- Water Resources Information System
- Enterprise Resource System
- Computerized Maintenance Management System
- People Soft Version 8.9 Upgrade
- Microwave Telecommunications System Upgrade

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to rate the information technology projects against other types of capital improvements. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for information technology capital improvements was conducted to determine if there are limitations to funding all the planned capital projects.

- Five Watershed Funds
- Watershed Stream Stewardship Fund
- General Fund
- Water Enterprise Fund

Results of this year's prioritization process and financial analysis are summarized in Appendix B. The process concluded that the higher priority information technology needs can be met.

INFORMATION TECHNOLOGY CAPITAL IMPROVEMENTS

The following table is a project funding schedule for information technology capital improvements, resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the page number identified. The chart also identifies partially funded projects and estimated unspent appropriations from FY 2006-07.

Information Technology Capital Improvements

Pg #	Project Name	Thru FY06	FY07	Unspent as of FY07	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
VIII-3	ISMP Computerized Maintenance Management System	953	0	95	47	85	0	0	0	0	1,085
VIII-5	ISMP Enterprise Resource Planning System	8,008	0	553	19	176	0	0	0	0	8,203
VIII-7	ISMP Infrastructure Upgrade	242	0	52	0	0	0	0	0	0	242
VIII-9	ISMP Water Resource Information System	1,966	0	1,129	748	170	0	0	0	0	2,884
VIII-11	Microwave Telecommunications System	0	0	0	852	883	932	984	647	0	4,298
VIII-13	PeopleSoft System Upgrade	0	900	786	281	0	0	0	0	0	1,181
VIII-15	Radio Repeater System Infill	0	0	0	267	0	0	0	0	0	267
	TOTAL	**11,169**	**900**	**2,615**	**2,214**	**1,314**	**932**	**984**	**647**	**0**	**18,160**

FY 2006-07 Funds to be reappropriated

The following table shows funding requirements from each funding source for information technology capital improvements.

Information Technology – Funding Sources

Funding Sources	Thru FY06	FY07	FY07 Unspent	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
Lower Peninsula Watershed Fund	750	0	55	67	86	65	69	45	0	1,082
West Valley Watershed Fund	750	0	55	58	77	56	59	39	0	1,039
Guadlaupe Watershed Fund	670	0	50	83	102	84	89	58	0	1.086
Coyote Watershed Fund	750	0	55	50	68	47	49	32	0	996
Uvas/Llagas Watershed Fund	278	0	20	19	26	19	20	13	0	375
Watershed Stream Stewardship Fund	0	0	0	68	71	75	79	52	0	344
Water Enterprise Fund	5,085	0	1,359	1,582	827	587	620	408	0	9,108
General Fund	2,885	900	1,020	287	58	0	0	0	0	4,130
Information Technology Total	**11,169**	**900**	**2,615**	**2,214**	**1,314**	**932**	**984**	**647**	**0**	**18,160**

FY 2006-07 Funds to be reappropriated

Project	ISMP Computerized Maintenance Management System
Program	Information Technology
Priority No.	38
Project No.	60274054
District Contact	Seth Johnson sjohnson@vallywater.org

No Picture Available

PROJECT DESCRIPTION

This project integrates the Computerized Maintenance Management System (CMMS) with the District's Enterprise Resource Planning (ERP) system as defined in the Information Systems Master Plan (ISMP) to accomplish the following objectives:

- Reduce redundant data and eliminate manual data inputs to increase efficiencies.
- Enforce financial accountability of District's asset management and maintenance functions.

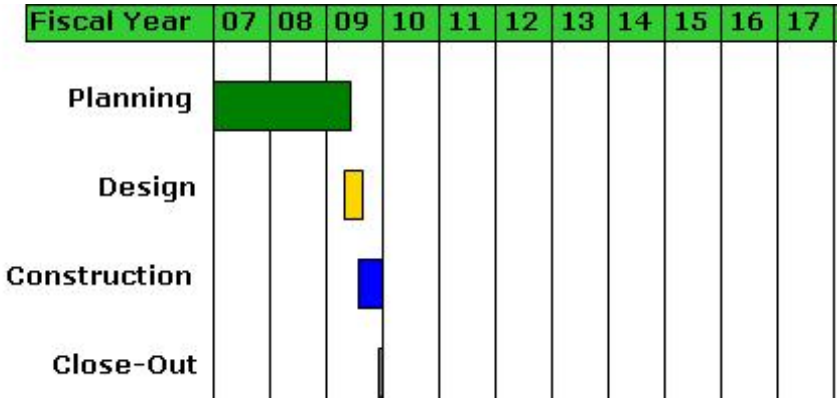
PROJECT LOCATION

No map is provided for this project.

PROJECT SCHEDULE

February 2005 to June 2009

Implementation is shown in the construction phase.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
ISMP Computerized Maintenance Management System	112	746	142	83	0	0	0	0	1,083
with inflation	112	746	142	85	0	0	0	0	1,085

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests					Total
Fund	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
ISMP Computerized Maintenance Management System	953	0	95	47	85	0	0	0	0	1,085

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund—11.5%	125
SCVWD West Valley Fund—11.5%	125
SCVWD Guadalupe Fund—11.5%	125
SCVWD Coyote Fund—11.5%	125
SCVWD Uvas/Llagas Fund—4%	43
SCVWD Water Utility Enterprise Fund—50%	543
Total	1,085

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

Project	ISMP Enterprise Resource Planning System
Program	Information Technology
Priority No.	50
Project No.	60274056
District Contact	Seth Johnson sjohnson@vallywater.org

No Picture Available

PROJECT DESCRIPTION

This project replaces the District's financial management, human resources, and payroll systems with an Enterprise Resource Planning (ERP) System, as defined in the Information Systems Master Plan (ISMP) to accomplish the following objectives:

- Adopt improved business practice.
- Increase efficiencies.
- Position the District to support future business performance monitoring and real-time customer response requirements.

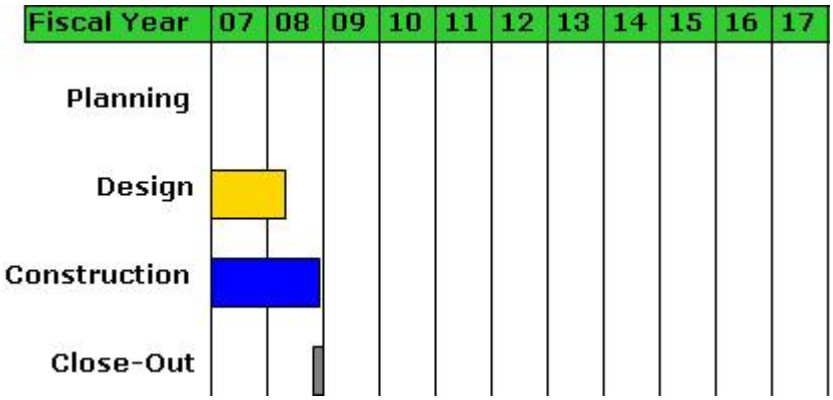
PROJECT LOCATION

No map is provided for this project.

PROJECT SCHEDULE

November 2001 to June 2008

Planning phase is complete. Implementation is shown in the construction phase.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
ISMP Enterprise Resource Planning System	7,355	100	206	526	0	0	0	0	8,187
with inflation	7,355	100	206	542	0	0	0	0	8,203

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Fund	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
ISMP Enterprise Resource Planning System	8,008	0	553	19	176	0	0	0	0	8,203

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.
Project funding exceeds planned expenditures in FY 2008 by approximately $366,000. This funding will be used to partially cover expenditures in FY 2009

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund—8%	656
SCVWD West Valley Fund—8%	656
SCVWD Guadalupe Fund—7%	574
SCVWD Coyote Fund—8%	656
SCVWD Uvas/Llagas Fund—3%	246
SCVWD Water Utility Enterprise Fund—33%	2,707
SCVWD General Fund—33%	2,707
Total	8,203

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $56,000 per year.

USEFUL LIFE: Not Available

Project	ISMP Infrastructure Upgrade
Program	Information Technology
Priority No.	38
Project No.	60274051
District Contact	Seth Johnson sjohnson@vallywater.org

No Picture Available

PROJECT DESCRIPTION

This project supports the hardware and network needs of the Information Systems Master Plan (ISMP) projects, to accomplish the following objectives:

- Enhance and increase network capacity to accommodate new systems required by other ISMP projects.
- Increase reliability, availability, and performance of the storage subsystems.
- Reduce backup and data recovery time.
- Insure that system outages due to disaster can be recovered with minimum down time and adverse effects on District business.
- Build new system infrastructure based on up-to-date technology platforms that can be adequately supported by vendors.

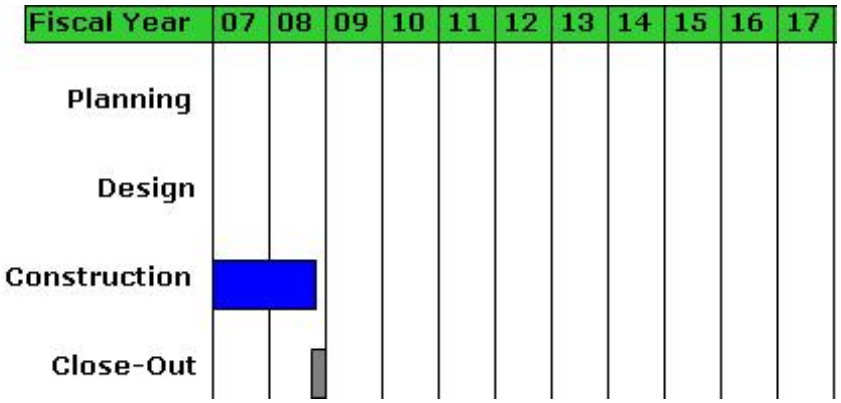
PROJECT LOCATION

No map is provided for this project.

PROJECT SCHEDULE

March 2001 to June 2008

Planning phase is complete. Design phase is not applicable to this project. Implementation is shown in the construction phase.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
ISMP Infrastructure Upgrade	120	70	15	0	0	0	0	0	205
with inflation	120	70	15	0	0	0	0	0	205

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Fund	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
ISMP Infrastructure Upgrade	242	0	52	0	0	0	0	0	0	242

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.
The total planned expenditure is $37,000 less than the available project funding. The unspent budget will be returned to fund reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	242
Other Funding Source	0
Total	242

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $3,000 per year.

USEFUL LIFE: Not Available

Project	ISMP Water Resource Information System
Program	Information Technology
Priority No.	50
Project No.	60274057
District Contact	Seth Johnson sjohnson@vallywater.org

No Picture Available

PROJECT DESCRIPTION

This project develops and implements a new Water Resource Information System (WRIS), as defined in the Information Systems Master Plan (ISMP), to accomplish the following objectives:

- Develop a new WRIS that uses current technology and can be adequately supported by the vendor and the District's Information Management Division.
- Provide user interface that is easy to use and streamlines daily tasks.

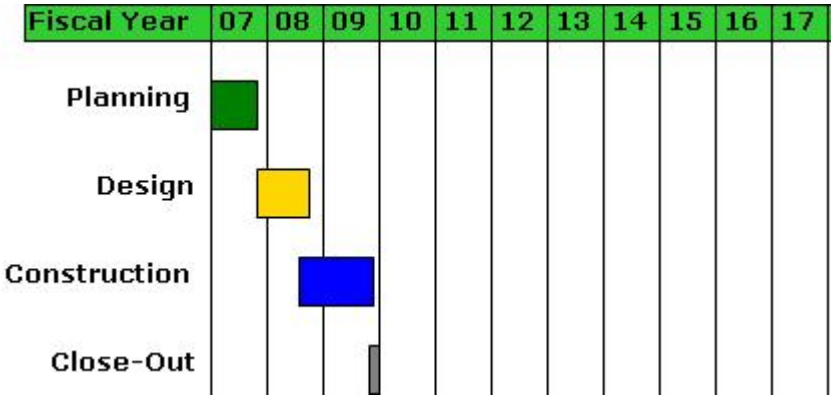
PROJECT LOCATION

No map is provided for this project.

PROJECT SCHEDULE

August 2004 to June 2009

Implementation is shown in the construction phase.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
ISMP Water Resource Information System	737	100	1,877	165	0	0	0	0	2,879
with inflation	737	100	1,877	170	0	0	0	0	2,884

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Fund	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
ISMP Water Resource Information System	1,966	0	1,129	748	170	0	0	0	0	2,884

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,884
Other Funding Source	0
Total	2,884

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $5,000 per year.

USEFUL LIFE: Not Available

Project	Microwave Telecommunications System
Program	Information Technology
Priority No.	34
Project No.	60274064
District Contact	Seth Johnson sjohnson@valleywater.org

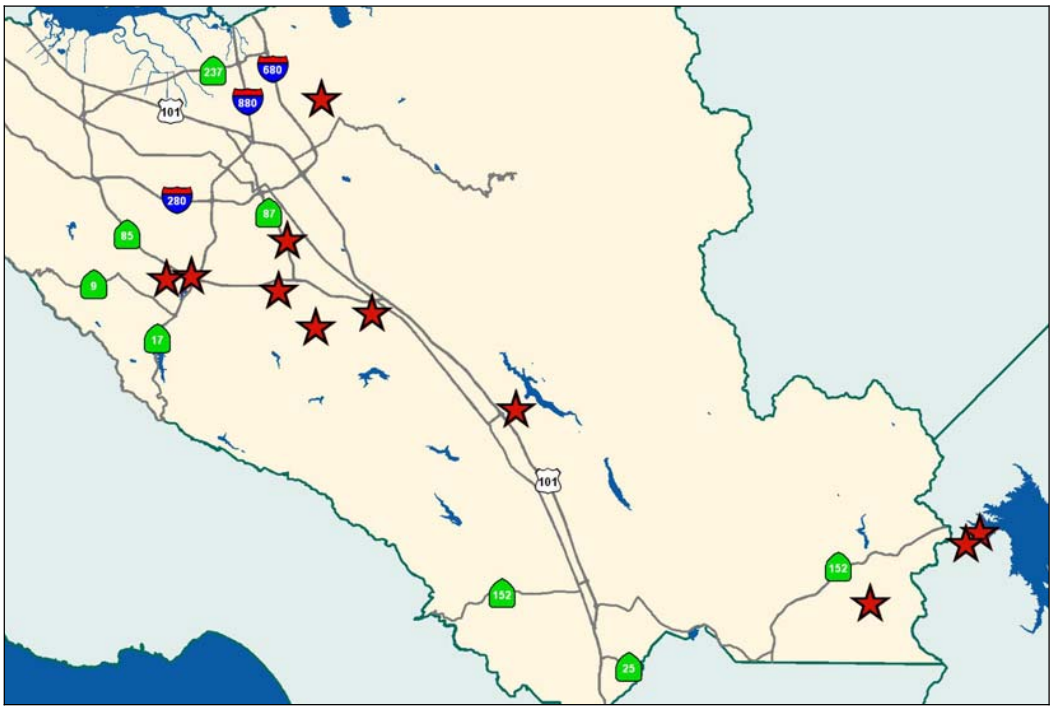
Microwave tower at the County Communications Center

PROJECT DESCRIPTION

This project plans, designs, and installs microwave links at thirteen district sites to accomplish the following objectives:

- Expand the abilities of public agencies in Santa Clara County to communicate with each other quickly and securely during day-to-day operations, large-scale events, and regional disasters.
- Implement a countywide digital microwave network as the primary mechanism for real-time data delivery between network participant public safety interoperability applications.
- Provide reliable, high-speed, dedicated data links between mission critical facilities and the main district campus.

PROJECT LOCATION

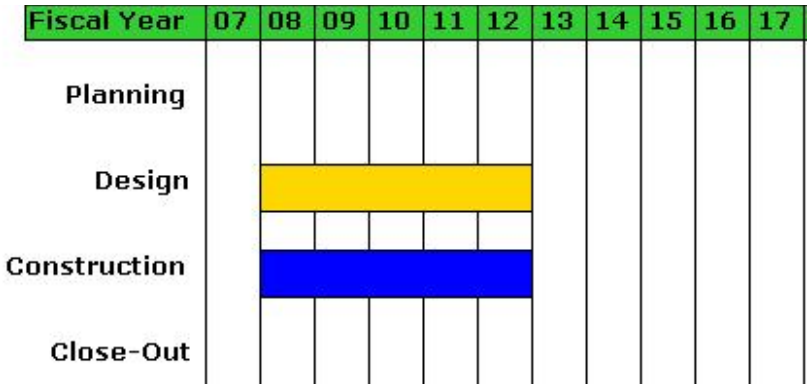


Project Location

PROJECT SCHEDULE

July 2008 to June 2012

Installation is shown in the Construction Phase. Design and installation of 13 sites will be staged over 5 years.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Microwave Telecommunications System	0	0	852	748	748	748	510	0	3,606
with inflation	0	0	852	883	932	984	647	0	4,297

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Microwave Telecommunications System	0	0	0	852	883	932	984	647	0	4,297

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund – 7%	301
SCVWD West Valley Fund – 6%	258
SCVWD Guadalupe Fund – 9%	387
SCVWD Coyote Fund – 5%	215
SCVWD Uvas/Llagas Fund – 2%	86
SCVWD Watershed Stream Stewardship Fund – 8%	344
SCVWD Water Utility Enterprise Fund – 63%	2,707
Total	4,297

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $70,000 per year.

USEFUL LIFE: 25 Years

Project	**PeopleSoft System Upgrade**
Program	Information Technology
Priority No.	29
Project No.	60274061
District Contact	Seth Johnson sjohnson@valleywater.org

No Picture Available

PROJECT DESCRIPTION

This project plans and implements the financial and human resources 8.9 upgrade of PeopleSoft software to accomplish the following objectives:

- Provide enhanced processing, lower systems maintenance, and enhanced human resources features.
- Provide continuing support for critical areas such as tax support for payroll processing after 2007 when existing versions will no longer be supported.
- Provide the necessary launch pad for potential conversion to the PeopleSoft Fusion product.
- Upgrade all existing PeopleSoft modules to a version of software that will be supported by PeopleSoft until 2012.

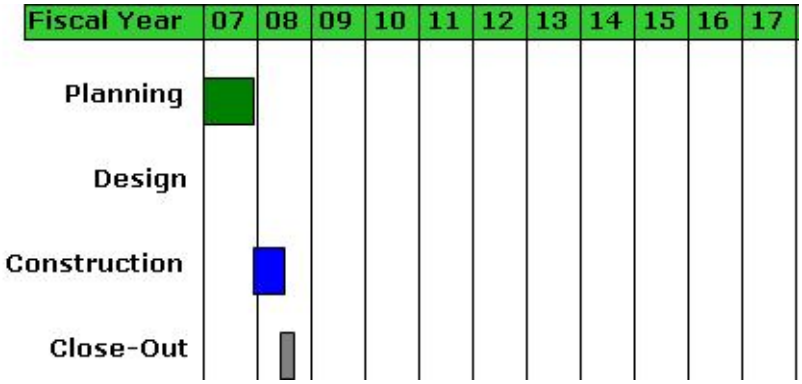
PROJECT LOCATION

No map is provided for this project.

PROJECT SCHEDULE

July 2006 to February 2008

Design Phase is not applicable to this project. Project Implementation is shown as the Construction Phase.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
PeopleSoft System Upgrade	0	114	1,067	0	0	0	0	0	1,181
with inflation	0	114	1,067	0	0	0	0	0	1,181

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
PeopleSoft System Upgrade	0	900	786	281	0	0	0	0	0	1,181

Adjusted Budget includes adopted budget plus approved budget adjustments through June 2007.

FUNDING SOURCES

(in thousands $)

SCVWD Lower Peninsula Fund—7.5%	89
SCVWD West Valley Fund—7.5%	89
SCVWD Guadalupe Fund—7.5%	89
SCVWD Coyote Fund—7.5%	89
SCVWD Uvas/Llagas Fund—7.5%	89
SCVWD Watershed Stream Stewardship Fund—7.5%	89
SCVWD Water Utility Enterprise Fund—55%	650
Total	1,181

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operations costs.

USEFUL LIFE: Not Available

Project	**Radio Repeater System Infill**
Program	Information Technology
Priority No.	41
Project No.	60274063
District Contact	Seth Johnson sjohnson@valleywater.org

Radio tower at County Communications Center

PROJECT DESCRIPTION

This project studies the extent of repeater and receiver system infill and considers existing antenna sites that are available through the county, cities, and other public agencies to accomplish the following objectives:

- Expand the district's ability to communicate quickly and securely with Santa Clara County public agencies during day-to-day operations, large-scale events, and regional disasters.
- Coordinate response from multiple agencies to an event by talking to users on frequency bands.

This project is currently funded for planning only. The scope, schedule, costs and funding sources of design and construction phases will be determined at the completion of the planning phase.

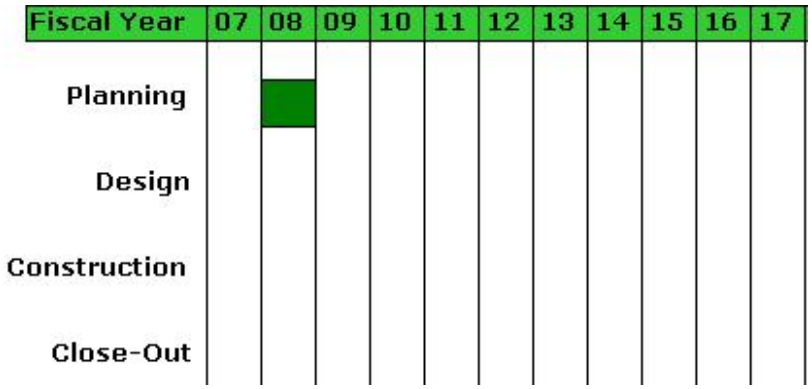
PROJECT LOCATION

Specific sites for this project have not been determined.

PROJECT SCHEDULE

July 2007 to June 2008

Planning Phase Only



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals	Planned Expenditures							Total
Project	Thru FY06	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Radio Repeater System Infill	0	0	267	0	0	0	0	0	267
with inflation	0	0	267	0	0	0	0	0	267

FUNDING SCHEDULE

(in thousands $)

	Budget	Adjusted Budget	Est. Unspent	Planned Funding Requests						Total
Project	Thru FY06	FY07	FY07	FY08	FY09	FY10	FY11	FY12	Future	
Radio Repeater System Infill	0	0	0	267	0	0	0	0	0	267

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	267
Other Funding Source	0
Total	267

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 15 Years

FINANCIAL PLANNING AND SUMMARY

CIP FINANCIAL PLANNING

Board Policy regarding Financial Planning/Budgeting provides the foundation for CIP financial planning. The policy states:

Executive Limitation EL-4, "Financial planning for any fiscal year or the remaining part of any budget period shall not deviate materially from the Board's Ends priorities, risk fiscal jeopardy, or fail to be derived from a multiyear plan."

> Executive Limitation EL-4.1., "The CEO shall not fail to include credible projection of revenues and expenses, separation of capital and operational items, cash flow and disclosure of planning assumptions."
>
> Executive Limitation EL-4.2, "The CEO shall not plan the expenditure in any budget period of more funds than are conservatively projected to be received or appropriated from reserves in that period."

KEY REVENUES SOURCES

Water Charges

- Water charges include a ground water charge, which is equivalent to the basic user charge, and is associated with the benefit of managing groundwater supplies. The groundwater charge is applied to water extracted from the groundwater basin in Zones W-2 and W-5. The basic user charge is applied to other types of water delivered by the District. There are two rates: one for agricultural water and one for municipal and industrial water.

- A treated water surcharge, which is associated with the benefit of receiving treated water, is levied in addition to the basic user charge on water delivered from the District's water treatment plants.

Property Tax

Santa Clara County allocates property tax revenue to the District from ad valorem taxes levied on land within the county.

Special Parcel Tax

The special parcel tax was approved by the voters in Santa Clara County in November 2000. This revenue source is restricted to financing the costs of the District's Clean, Safe Creeks and Natural Flood Protection Program.

Benefit Assessments

Benefit assessment revenue consists of levies approved by voters in 1986 and 1990 to support financing for flood control capital improvements. The Fiscal Year 2006-07 budget amount is approximately 1.25 times the duly authorized annual debt service requirements for each Watershed.

Capital Reimbursements

Capital reimbursement revenues are from local, state and federal partners for capital projects carried on cooperatively by the District and its partners. The District fronts the partners' shares of capital expenditures and receives reimbursements from the partners at a later time.

Interest

Interest is earned from the District's investment portfolio.

District Fund Structure

The District's revenue sources are organized into eleven funds. Each fund has specific revenue sources according to their intended purposes, and each fund is an independent accounting entity with a self-balancing set of accounts comprised of its assets, liabilities, fund equity, revenue, and expenditures or expenses, as appropriate.

Types	Fund	Primary Revenue Source
Proprietary	Equiptment And Risk Insurance	• Reimbursements charging back to all other District Funds
	Water Enterprise	• Water Charges • Property Tax
Governmental	Lower Peninsula Watershed	• Property Tax • Benefit Assessments levied within Lower Peninsula Watershed
	West Valley Watershed	• Property Tax • Benefit Assessments levied within West Valley Watershed
	Guadalupe Watershed	• Property Tax • Benefit Assessments levied within Guadalupe Watershed
	Coyote Watershed	• Property Tax • Benefit Assessments levied within CoyoteWatershed
	Uvas/Llagas Watershed	• Property Tax • Benefit Assessments levied within Uvas/ Llagas Watershed
	Clean, Safe Creeks and Natural Flood Protection	• Special Parcel Tax
	Watershed and Stream Stewardship	• PropertyTax
	General	• Property Tax • Reimbursements charging back all other District Funds

Revenue Projections

The District regularly updates the projected revenues based on the best information available.

- Revenues from water charges are estimated based on projections of water demand for residential, commercial and industrial, and agricultural consumption combined with rates per acre-foot. Rates are set at a level that will provide revenue needed to meet operating and capital needs.

- Revenues from property taxes, special parcel taxes, and benefit assessments are estimated based on projection of growth in assessed value and number of developed parcels in Santa Clara County.

- Interest earnings are estimated based on the projected average cash balances during the fiscal year and expected yield from the District's investment portfolio.

- Revenue from capital reimbursements partnerships are estimated based on the terms of agreements executed by the District and its partners.

Expenditure Projections

The District regularly updates the operation and capital expenditures based on the best information available.

Each capital project cost estimate includes the yearly expenditures through completion based on the project's scope and schedule. The expenditures are monitored regularly and updated when necessary, e.g. expenditures are updated when a project's scope changes. A management review process is enforced to ensure only justified expenditure changes are approved.

Operation cost projections for the next 10 years are updated annually and are based on assumptions derived from the District's strategic plans, including the impact of completed capital projects. Capital and operations expenditure projections are the foundation for the development of the District's budget.

Financial Analysis

The District regularly performs financial analysis to comply with the Board's Financial Planning/Budgeting Policy. The District uses sophisticated financial models to perform the analysis for each fund. The projected operation expenditures, capital expenditures, and revenues for the next ten years are incorporated into the financial models to analyze the health of each fund under various economic scenarios. This process assures that funds will be available when needed to implement the CIP.

The financial analysis generates alternatives for funding capital projects based on the available yearly revenues, from all sources, allocated to the capital program, and the debt financing capacity of each fund. The financial analysis establishes the parameters within which the capital project schedule is developed.

Debt Projections and Debt Ratios

Debt is managed at the District depending on the type of District business involved. Under the watershed business, the District has no current plans to issue additional debt which would require taxpayer approval. Debt service on outstanding debt is funded by benefit assessments levied on property owners in the county.

The water utility business on the other hand uses a combination of short-term and long-term debt financing in conjunction with pay-as-you-go financing to lessen impacts to the water rate, caused by fluctuations in capital funding needs. In the 1984 general election, Measure B was passed by the voters, which gave the District's water utility the authority to issue bonds on an "as required" basis. Debt service on outstanding debt is paid from water revenues. Bond covenants stipulate that the District must maintain a 1.25 debt coverage ratio on all parity bonds. The long-term financial analysis targets a debt coverage ratio of 2.0, which helps establish the parameters for capital planning that ensure bond covenants will be met.

The District currently enjoys credit ratings that are among the highest for a water-related governmental entity in the state of California, which helps keep interest costs borne by the District at a minimum.

Relationship between the Operating Budget and CIP

Whenever the District commits to capital improvements, there is a potential for associated long-range commitment of operating funds. For example, if 20-year bonds are issued to finance capital needs, then the operating funds will need to budget debt service payments for the next two decades. For this reason, it is important to evaluate capital commitments in the context of their long-range operating impact.

In addition to the long-range debt service payments, some capital projects affect future operating budgets either positively or negatively due to an increase or decrease in maintenance and operation costs. Such impacts vary widely from project to project and, are evaluated individually during the project development stage. The District is committing to a potential change in the operating budget when a capital project is approved.

The projected debt service payments and the positive or negative operating budget impacts are important factors considered in the District's financial analysis.

This chart identifies the operating budget impacts to each fund from projected debt service payments.

Debt Payment Schedule ($K)

Fund	FY 08	FY 09	FY 10	FY 11	FY 12
Water Enterprise Fund	12,879	13,135	16,325	19,698	22,961
Lower Peninsula Watershed Fund	3,847	3,844	3,842	3,824	3,829
West Valley Watershed Fund	2,409	2,409	2,406	2,386	2,393
Guadalupe Watershed Fund	5,079	5,069	5,077	5,071	5,020
Coyote Watershed Fund	3,847	3,841	3,839	3,816	3,825
Uvas\Llagas Watershed Fund	616	615	614	607	609
TOTAL	**28,677**	**28,912**	**32,104**	**35,402**	**38,638**

This chart identifies the net operating budget impacts to each fund resulting from annual maintenance and/or operating cost for newly completed capital projects. Additional information regarding operating impacts related to individual projects can be found on the project pages.

Estimated Operating Impacts ($K)

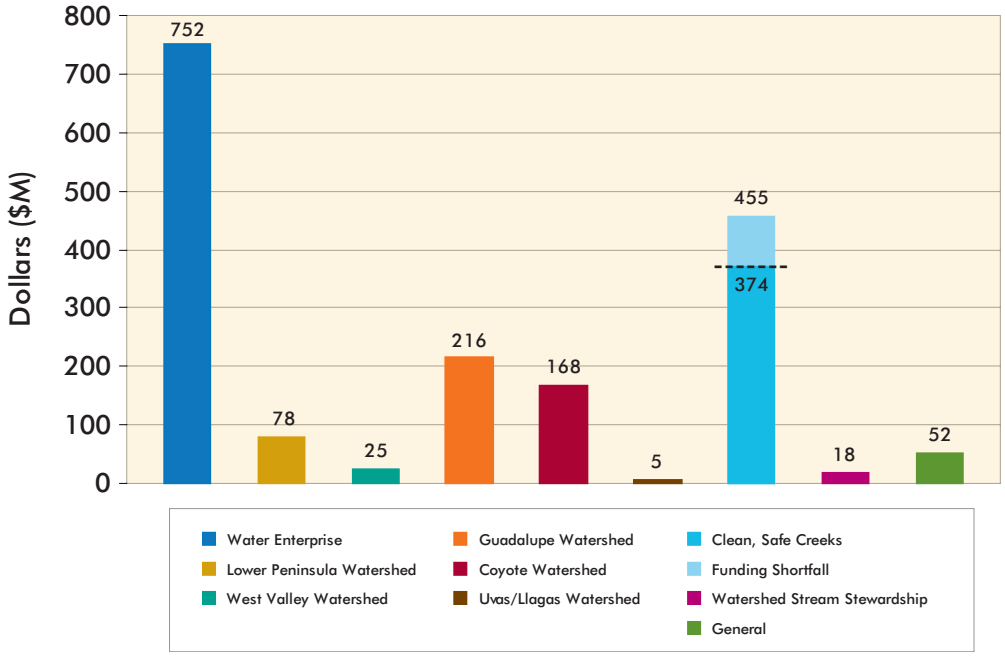
Fund	FY 08	FY 09	FY 10	FY 11	FY 12	BEYOND
General Fund	-	21	287	287	287	357
Watershed Stream Stewardship Fund	-	-	50	50	8	108
Lower Peninsula Watershed Fund	30	30	30	30	30	130
West Valley Watershed Fund	15	15	15	15	15	15
Guadalupe Watershed Fund	-	-	805	805	805	1,285
Coyote Watershed Fund	-	100	150	150	150	400
Uvas/Llagas Watershed Fund	-	-	-	-	-	-
Clean, Safe Creeks and Natural Flood Protection Fund	-	-	-	-	-	-
Water Utility Enterprise Fund	1,997	2,335	2,533	3,793	3,761	5,559
TOTAL	**2,042**	**2,501**	**3,870**	**5,130**	**5,056**	**7,853**

FINANCIAL PLANNING AND SUMMARY

CIP FINANCIAL SUMMARY

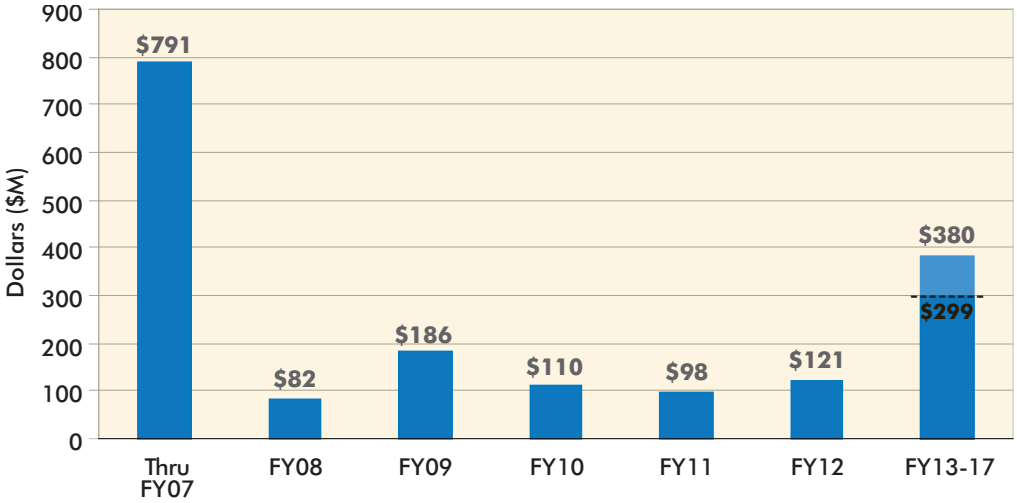
Of the $1.768 billion in total funding for current and future projects, the Board appropriated $791 million in prior years through June 30, 2007 (the end of Fiscal Year 2006-07). This year's CIP process identified additional funding needs of $977 million to complete the projects in the CIP, with $82 million allocated in Fiscal Year 2007-08 and a total of $895 million proposed for future years. Included in the $895 million proposed future funding is a funding shortfall of $81 million, beginning in FY 2014, for projects funded by the Clean Safe Creeks and Natural Flood Protection Fund.

CIP Total Funding by Fund



The needed $1.768 billion to implement the 100 projects as defined in the CIP are funded by nine of the District's eleven Funds.

CIP Funding Schedule



The following chart shows the funding schedule for the $1.768 billion to implement the 100 projects:

CIP Project Funding Schedule for Water Enterprise Fund ($K)

Project Name	Thru FY06	FY07	FY07 Unspent	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
Almaden Dam Outlet Works Improvements	2,103	-	-	-	548	564	1,163	4,745	9,040	18,163
Calero/Fellows Dike Improvement	2,062	525	82	820	597	212	6,572	169	-	10,957
Dam Instrumentation	3,503	1,611	518	1,398	6,281	265	-	-	-	13,058
Lenihan Dam Outlet Modifications	8,571	19,776	18,785	4,915	35,652	690	-	-	-	69,604
Pacheco Pumping Plant ASD Replacement	3,019	-	2,447	-	7,808	339	349	359	697	12,571
Pacheco Pumping Plant Regulating Tank Recoating	-	-	-	223	211	-	-	-	-	434
San Felipe Communications Cable Replacement	-	-	-	264	424	1,832	-	-	-	2,520
San Luis Reservoir Low Point Improvement	15,143	-	4,624	-	-	165	-	-	-	15,308
San Tomas Well Field	11,444	-	370	382	-	-	-	-	-	11,826
Alamitos Diversion Dam Improvements	-	357	154	462	2,522	48	-	-	-	3,389
Almaden-Calero Canal Rehabilitation	1,449	-	-	637	637	6,769	1,255	367	-	11,114
Coyote Diversion Dam Improvements	-	310	285	367	210	2,144	424	-	-	3,455
IRP2 Backup Raw Water Control Center at Almaden	-	-	-	-	33	112	808	602	-	1,555
IRP2 Self-Sufficient SCADA System	-	-	-	-	685	705	2,394	1,845	-	5,629
Kirk Ditch Improvements	379	-	-	1,398	271	-	-	-	-	2,048
Kirk Diversion Dam Improvements	-	313	313	-	1,690	438	-	-	-	2,441
Kirk Diversion Fish Screen	-	-	-	224	1,151	-	-	-	-	1,375
Main Avenue Pipeline	-	-	-	918	1,145	6,360	-	-	-	8,423
Page Desilting System Improvements	-	-	-	-	440	815	-	-	-	1,255
Penitencia Fish Facilities Modifications	-	-	-	-	-	283	232	180	912	1,607
San Francisco Water Department Intertie	3,654	-	380	-	-	-	-	-	-	3,654
Santa Clara Distributary Turnout	-	-	-	98	1,117	-	-	-	-	1,215
Santa Clara Tunnel Landslide Repair	4,442	71	45	-	12	-	-	-	-	4,525
Santa Clara Valley Recharge Ponds	-	-	-	-	-	341	351	6,923	16,153	23,768
South County Pipeline Right of Way Acquisition	-	-	-	-	262	206	1,595	-	-	2,063
Stevens Creek Diversion	-	-	-	-	-	-	151	-	-	151
Vasona Canal Improvement	-	-	-	134	-	-	-	-	-	134
Water Infrastructure Reliability Program	4,167	90	93	53	-	-	-	-	-	4,310
Almaden Campus Water Quality Laboratory	20,999	6,372	1,691	1,741	-	-	-	-	-	29,112
IRP2 Seismic Study and Retrofit of WTP Ops Bldg	-	-	-	945	1,817	4,721	4,988	4,816	2,334	19,621
PWTP Backwash Pump Replacement	803	-	696	-	326	33	-	-	-	1,162
PWTP Chemical Systems Upgrade	506	-	230	124	1,682	147	-	-	-	2,459
PWTP Improvement, Stage 2	68,704	127	160	286	-	-	-	-	-	69,117
PWTP Maintenance Building	1,346	632	479	4,571	134	-	-	-	-	6,683
PWTP Standby Power Upgrade	2,336	-	1,810	-	26	-	-	-	-	2,362

CIP Project Funding Schedule for Water Enterprise Fund ($K) (cont'd)

Project Name	Thru FY06	FY07	FY07 Unspent	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
RWTP Backwash Pump ASD Replacement	-	-	-	161	686	32	-	-	-	879
RWTP Chemical Storage Structure Seismic Upgrades	-	-	-	-	-	-	-	495	2,868	3,363
RWTP Chemical System Upgrade	714	-	199	2,575	865	53	-	-	-	4,207
RWTP Control System Trunk Cable Upgrade	291	-	60	484	103	-	-	-	-	878
RWTP Improvement, Stage 2	14,182	-	1,500	-	4,783	12,943	31,274	41,036	107,750	211,968
RWTP Standby Power Upgrade	1,469	-	1,035	477	1,583	46	-	-	-	3,575
RWTP Treated Water Distribution Flow Meter Replacement	-	-	-	511	206	-	-	-	-	717
RWTP Valve Replacements	-	-	-	4,847	1,669	53	-	-	-	6,569
STWTP Improvement, Stage 2	60,337	-	824	-	-	-	-	-	-	60,337
STWTP Incompatible Materials	2,280	-	1,131	-	2,536	1,347	144	-	-	6,307
Water Protection	590	17	221	3,820	4,687	-	-	-	-	9,114
Water Treatment Plants SCADA Upgrades	2,862	-	1,005	971	1,041	771	437	-	-	6,082
Bay Area Regional Desalination, Mallard Slough Pilot Plant	-	300	45	-	-	-	-	-	-	300
Recycled Water Advanced Treatment Facility WPCP	3,095	-	60	-	12,832	7,281	-	-	-	23,208
Recycled Water Masterplan	3,224	-	145	-	3,795	6,581	-	-	-	13,600
Water Efficient Demonstration Garden	-	260	-	1,633	63	-	-	-	-	1,956
Santa Clara Tunnel Landslide Mitigation (ESA)	805	55	748	-	-	-	-	-	-	860
WTIP Mitigation, PWTP Landscape and Site Improvements	1,262	3,598	278	292	144	-	-	-	-	5,296
WTIP Mitigation, STWTP Landscape Improvements	2,561	(44)	1,786	-	733	36	156	-	-	3,442
CSC Stevens Creek Corridor Restoration, Blackberry Farms	-	-	-	218	-	219	-	-	-	437
NRDA Enhancement, Jacques Gulch Restoration	1,483	580	858	47	3,766	286	76	45	-	6,283
Almaden Campus, Administration Building Seismic Retrofit - 63%	-	-	-	613	3,570	167	-	-	-	4,350
Corporation Yard Relocation - 38%	-	-	-	289	98	-	-	-	-	387
Telephones at Treatment Plants and Vasona	1,236	12	636	903	-	-	-	-	-	2,151
ISMP Computerized Maintenance Management - 50%	477	-	48	24	43	-	-	-	-	543
ISMP Enterprise Resource Planning System - 33%	2,643	-	182	6	58	-	-	-	-	2,707
ISMP Water Resource Information System	1,966	-	1,129	748	170	-	-	-	-	2,884
Microwave Telecommunications System - 63%	-	-	-	537	556	587	620	408	-	2,708
Radio Repeater System Infill	-	-	-	267	-	-	-	-	-	267
TOTAL	**256,106**	**34,962**	**45,052**	**39,382**	**109,667**	**57,591**	**52,989**	**61,990**	**139,754**	**752,442**

CIP Project Funding Schedule for Lower Peninsula Watershed Fund ($K)

Project Name	Thru FY06	FY07	FY07 Unspent	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)	21,150	247	1,259	3,351	335	53	55	84	-	25,275
Matadero/Barron Creek Remediation, Palo Alto Flood Basin to Alma Street	24,325	-	2,022	-	-	-	-	-	-	24,325
Permanente Creek, San Francisco Bay to Foothill Expressway	10,947	995	1,586	26	484	-	-	-	-	12,452
San Francisquito Creek, San Francisco Bay through Searsville Dam	4,000	-	1,859	-	-	4,334	-	-	-	8,334
San Francisco Bay Shoreline - Planning - 25%	1,049	510	353	516	514	116	-	-	-	2,705
San Francisco Bay Shoreline - Contribution	500	-	-	-	-	-	-	-	-	500
SMP Mitigation, Coyote Parkway Freshwater Wetland - 5%	313	31	2	5	10	5	4	5	-	373
SMP Mitigation, Laguna Seca Freshwater Wetland - 5%	-	-	-	68	99	479	442	6	13	1,107
SMP Mitigation, Stream and Watershed Land Preservation - 5%	373	57	181	92	88	91	94	96	-	891
Almaden Campus, Administration Building Seismic Retrofit - 7%	-	-	-	68	397	19	-	-	-	483
Corporation Yard Relocation - 10%	-	-	-	76	26	-	-	-	-	102
ISMP Computerized Maintenance Management - 12%	110	-	11	5	10	-	-	-	-	125
ISMP Enterprise Resource Planning System - 8%	641	-	44	2	14	-	-	-	-	656
Microwave Telecommunications System - 7%	-	-	-	60	62	65	69	45	-	301
TOTAL	**63,407**	**1,840**	**7,317**	**4,269**	**2,037**	**5,162**	**663**	**236**	**13**	**77,627**

CIP Project Funding Schedule for West Valley Watershed Fund ($K)

Project Name	Thru FY06	FY07	FY07 Unspent	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
Calabazas Creek, Bollinger Bridge	3,137	2,500	653	-	19	-	-	-	-	5,656
Calabazas Creek, Capacity Improvement	2,000	2,446	579	526	23	-	-	-	-	4,995
San Tomas Creek, Quito Road Bridges Replacement	696	-	278	-	-	-	-	-	-	696
San Francisco Bay Shoreline - Planning - 25%	1,049	510	353	516	514	116	-	-	-	2,705
SMP Mitigation, Coyote Parkway Freshwater Wetland - 19%	1,191	118	8	20	37	20	13	17	-	1,416
SMP Mitigation, Laguna Seca Freshwater Wetland - 19%	-	-	-	260	374	1,821	1,678	23	49	4,205
SMP Mitigation, Stream and Watershed Land Preservation - 19%	1,418	216	688	348	335	345	356	366	-	3,385
Almaden Campus, Administration Building Seismic Retrofit - 6%	-	-	-	58	340	16	-	-	-	414
Corporation Yard Relocation - 10%	-	-	-	76	26	-	-	-	-	102
ISMP Computerized Maintenance Management - 12%	110	-	11	5	10	-	-	-	-	125
ISMP Enterprise Resource Planning System - 8%	641	-	44	2	14	-	-	-	-	656
Microwave Telecommunications System - 6%	-	-	-	51	53	56	59	39	-	258
TOTAL	**10,240**	**5,790**	**2,614**	**1,862**	**1,745**	**2,374**	**2,106**	**445**	**49**	**24,612**

CIP Project Funding Schedule for Guadalupe Watershed Fund ($K)

Project Name	Thru FY06	FY07	FY07 Unspent	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
Guadalupe River–Lower, Alviso Marina to Interstate 880	81,994	5,334	202	2,106	39	74	-	-	-	89,547
Guadalupe River–Downtown, Interstate 880 to Interstate 280	95,162	7,695	8,569	1,537	437	689	-	-	-	105,520
San Francisco Bay Shoreline - Planning - 25%	1,049	510	353	516	514	116	-	-	-	2,705
SMP Mitigation, Coyote Parkway Freshwater Wetland - 23%	1,441	142	10	24	45	24	16	21	-	1,714
SMP Mitigation, Laguna Seca Freshwater Wetland - 23%	-	-	-	314	453	2,205	2,031	28	60	5,090
SMP Mitigation, Stream and Watershed Land Preservation - 23%	1,716	262	833	422	406	418	431	443	-	4,097
Alviso Slough Restoration	1,664	436	-	484	1,904	143	-	-	-	4,631
Gold Street Educational Center	97	9	-	295	414	-	-	-	-	815
Almaden Campus, Administration Building Seismic Retrofit - 9%	-	-	-	88	510	24	-	-	-	621
Corporation Yard Relocation - 13%	-	-	-	99	34	-	-	-	-	132
ISMP Computerized Maintenance Management - 12%	110	-	11	5	10	-	-	-	-	125
ISMP Enterprise Resource Planning System - 7%	561	-	39	1	12	-	-	-	-	574
Microwave Telecommunications System - 9%	-	-	-	77	79	84	89	58	-	387
TOTAL	**183,794**	**14,388**	**10,016**	**5,968**	**4,856**	**3,777**	**2,566**	**550**	**60**	**215,959**

CIP Project Funding Schedule for Coyote Watershed Fund ($K)

Project Name	Thru FY06	FY07	FY07 Unspent	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd	12,720	-	6,104	7,422	1,688	3,439	7,138	478	20,922	53,807
Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)	78,054	557	218	519	426	-	-	-	-	79,556
Upper Penitencia Creek, Coyote Creek to Dorel Drive	14,211	543	5,477	30	20	-	-	-	-	14,804
San Francisco Bay Shoreline - Planning - 25%	1,049	510	353	516	514	116	-	-	-	2,705
SMP Mitigation, Coyote Parkway Freshwater Wetland - 34%	2,131	210	14	35	66	36	24	31	-	2,533
SMP Mitigation, Laguna Seca Freshwater Wetland - 34%	-	-	-	465	670	3,259	3,002	41	88	7,525
SMP Mitigation, Stream and Watershed Land Preservation - 34%	2,537	387	1,231	624	600	618	636	656	-	6,057
Almaden Campus, Administration Building Seismic Retrofit - 5%	-	-	-	49	283	13	-	-	-	345
Corporation Yard Relocation - 11%	-	-	-	84	28	-	-	-	-	112
ISMP Computerized Maintenance Management - 12%	110	-	11	5	10	-	-	-	-	125
ISMP Enterprise Resource Planning System - 8%	641	-	44	2	14	-	-	-	-	656
Microwave Telecommunications System - 5%	-	-	-	43	44	47	49	32	-	215
TOTAL	**111,452**	**2,207**	**13,453**	**9,792**	**4,363**	**7,528**	**10,850**	**1,237**	**21,010**	**168,440**

CIP Project Funding Schedule for Uvas/Llagas Watershed Fund ($K)

Project Name	Thru FY06	FY07	FY07 Unspent	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
SMP Mitigation, Pajaro Basin Freshwater Wetland - 80%	1,564	1,062	1,138	966	86	89	92	58	74	3,991
Almaden Campus, Administration Building Seismic Retrofit - 2%	-	-	-	19	113	5	-	-	-	138
Corporation Yard Relocation - 7%	-	-	-	53	18	-	-	-	-	71
ISMP Computerized Maintenance Management - 4%	38	-	4	2	3	-	-	-	-	43
ISMP Enterprise Resource Planning System - 3%	240	-	17	1	5	-	-	-	-	246
Microwave Telecommunications System - 2%	-	-	-	17	18	19	20	13	-	86
TOTAL	**1,842**	**1,062**	**1,159**	**1,058**	**244**	**113**	**112**	**71**	**74**	**4,576**

CIP Project Funding Schedule for Clean Safe Creeks and Natural Flood Protection Fund ($K)

Project Name	Thru FY06	FY07	FY07 Unspent	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
Permanente Creek, San Francisco Bay to Foothill Expressway	-	-	-	-	1,880	1,936	1,858	13,373	27,303	46,350
San Francisquito Creek, San Francisco Bay through Searsville Dam	-	-	-	-	-	903	2,675	2,755	3,264	9,597
Calabazas Creek, Miller Avenue to Wardell Road	4,686	1,471	1,764	-	717	11,206	8,328	7,941	8,797	43,146
Sunnyvale East and West Channel Planning	344	1,854	152	2,739	1,553	918	-	-	-	7,408
Sunnyvale East Channel, Guadalupe Slough to Interstate 280	-	-	-	-	-	-	4,093	4,216	122,544	130,853
Sunnyvale West Channel, Guadalupe Slough to Highway 101	-	-	-	-	-	-	988	1,017	10,798	12,803
Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	37,242	7,967	13,610	7,661	38,447	3,791	4,145	14,155	15,971	129,379
Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	5,267	1,047	2,045	2,630	2,234	8,619	516	443	1,125	21,881
Coyote Creek, Montague Expressway to Interstate 280	6,903	-	1,557	2,507	992	964	1,232	9,459	16,385	38,442
Llagas Creek–Upper, Buena Vista Road to Wright Avenue	11,529	15	3,975	-	580	780	191	113	612	13,820
CSC Soap Lake Floodplain Property Acquisition	-	2	-	255	27	-	-	-	-	284
CSC Stevens Creek Corridor Restoration, Blackberry Farms	-	300	119	100	-	-	-	-	-	400
CSC Upper Pajaro Watershed Vegetative Buffer Strips	441	36	144	76	98	-	-	-	-	651
TOTAL	**66,412**	**12,692**	**23,366**	**15,968**	**46,528**	**29,117**	**24,026**	**53,472**	**206,799***	**455,014**

* FY 2013-2017 future years funding requests of $206,799 (above) includes a projected funding shortfall of $81 million, beginning in FY 2014.

CIP Project Funding Schedule for Watershed and Stream Stewardship Fund ($K)

Project Name	Thru FY06	FY07	FY07 Unspent	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	2,256	-	2,168	-	-	-	301	118	-	2,675
SMP Mitigation, Carnadero Preserve	3,532	-	151	227	175	25	-	-	-	3,959
SMP Mitigation, Coyote Parkway Freshwater Wetland - 20%	1,191	118	8	20	37	20	13	17	-	1,416
SMP Mitigation, Laguna Seca Freshwater Wetland - 19%	-	-	-	260	374	1,821	1,678	23	49	4,205
SMP Mitigation, Pajaro Basin Freshwater Wetland - 20%	391	265	285	241	22	22	23	15	19	998
SMP Mitigation, Stream and Watershed Land Preservation - 20%	1,418	216	688	348	335	345	356	366	-	3,385
Almaden Campus, Administration Building Seismic Retrofit - 8%	-	-	-	78	453	21	-	-	-	552
Corporation Yard Relocation - 11%	-	-	-	84	28	-	-	-	-	112
Microwave Telecommunications System - 8%	-	-	-	68	71	75	79	52	-	344
TOTAL	**8,788**	**599**	**3,300**	**1,326**	**1,495**	**2,329**	**2,450**	**591**	**68**	**17,646**

CIP Project Funding Schedule for General Fund ($K)

Project Name	Thru FY06	FY07	FY07 Unspent	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
Almaden and Winfield Campus, Small Capital Improvements	n/a	1,360	-	2,060	2,060	2,122	2,185	2,251	12,309	24,347
Almaden Campus, Administration Building Seismic Retrofit - Special	138	9	-	-	-	-	-	-	-	147
Almaden Campus, Data Center Upgrade	590	700	1,185	198	-	-	-	-	-	1,488
Almaden Campus Expansion	5,951	2,967	8,907	3	12,586	-	-	-	-	21,507
ISMP Enterprise Resource Planning System - 33%	2,643	-	182	6	58	-	-	-	-	2,707
ISMP Infrastructure Upgrade	242	-	52	-	-	-	-	-	-	242
PeopleSoft System Upgrade	-	900	786	281	-	-	-	-	-	1,181
TOTAL	**9,564**	**5,936**	**11,112**	**2,548**	**14,704**	**2,122**	**2,185**	**2,251**	**12,309**	**51,619**

CIP Funding Schedule Summary for All Funds($K)

Project Name	Thru FY06	FY07	Unspent as of FY07	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
Water Utility	256,106	34,962	45,052	39,382	109,667	57,591	52,989	61,990	139,754	752,442
Lower Peninsula	63,407	1,840	7,317	4,269	2,037	5,162	663	236	13	77,627
West Valley	10,240	5,790	2,614	1,862	1,745	2,374	2,106	445	49	24,612
Guadalupe	183,794	14,388	10,016	5,968	4,856	3,777	2,566	550	60	215,959
Coyote	111,452	2,207	13,453	9,792	4,363	7,528	10,850	1,237	21,010	168,440
Uvas/Llagas	1,842	1,062	1,159	1,058	244	113	112	71	74	4,576
Clean, Safe Creeks	66,412	12,692	23,366	15,968	46,528	29,117	24,026	53,472	206,799	455,014
Watershed Stream Stewardship	8,788	599	3,300	1,326	1,495	2,329	2,450	591	68	17,646
General	9,564	5,936	11,112	2,548	14,704	2,122	2,185	2,251	12,309	51,619
TOTAL	**711,605**	**79,475**	**117,389**	**82,174**	**185,641**	**110,113**	**97,946**	**120,843**	**380,137**	**1,767,934**

WATER SUPPLY CAPITAL PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = **0**

Project Name Here

RAW SCORE = 0

PRIMARY OBJECTIVE Clean (50%)

Water Supply (E 2.1) Impact = ; Probability = 0.00

- ☐ Project maintains existing water utility infrastructure to meet the current water supply demand, comply with water quality standards or meet other regulatory requirements.
- ☐ Project enhances water utility infrastructure to meet current water supply demand and comply with water quality standards [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating
- ☐ Project positions the District to meet projected future water supply demand and projected water quality standards.

CLEANER OBJECTIVE (10%)

Flood Protection (E 2.2) 0.00

- ☐ YES

Mitigation (E 3.1)

- ☐ YES

Positive Interaction (E 4) - Check all that apply

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4) - Check all that apply

- ☐ Graffiti removal or Prevention Features
- ☐ Trash removal features (vortex weirs)
- ☐ Improves esthetics of project location
- ☐ Noise reduction
- ☐ Odor reduction

GREENER OBJECTIVE (30%)

Ecological Function (E 3.2) - Check all that apply 0.00

- ☐ Fish Barrier Removal / Structural improvement to fish habitat
- ☐ Riparian Habitat (planting, setback or protect in place)
- ☐ SRA Plantings or Improved water temperature
- ☐ Upland Habitat Protection/Preservation
- ☐ Wetland Habitat Protection/Preservation
- ☐ Hardscape Reduction

Physical Stream Function (E 3.2) - Check all that apply

- ☐ Holistic Watershed Approach
- ☐ Geomorphologic Design Elements
- ☐ Erosion Control
- ☐ Sediment Source Reduction

Water Quality (E 3.2) - Check all that apply

- ☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
- ☐ TMDL Improvements
- ☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)

Natural Resources Sustainability (E 3.2) - Check all that apply

- ☐ Air Quality & Visibility Improvement
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Renewable Energy Use
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Reduce Solid Waste Production
- ☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3) - Check all that apply

- ☐ Trail friendly features
- ☐ Provides/Improves Bicycle Commute Route
- ☐ Open Space Protection / Preservation

LEANER OBJECTIVE (10%)

Lifecycle costs are minimized - Check One 0.00

- ☐ Annual cost savings of more than $250,000
- ☐ Annual cost savings of $50,000 to $250,000
- ☐ Annual cost savings of less than $50,000 (reference ½ PY)
- ☐ Annual cost increase of more than $250,000
- ☐ Annual cost increase of $50,000 to $250,000
- ☐ Annual cost increase of less than $50,000

Funding Available from Other Agencies - Check One

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

FLOOD PROTECTION PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = 0

Project Name Here

RAW SCORE = 0

PRIMARY OBJECTIVE Clean (50%)

Flood Protection (E 2.2) Impact = ; Probability = 0.00

- ☐ Project restores existing watershed infrastructure to its intended level of flood protection.
- ☐ Project improves watershed infrastructure to achieve the committed level of flood protection.
- ☐ Project improves watershed infrastructure to provide flood protection beyond the level of commitment.

CLEANER OBJECTIVE (10%)

Water Supply (E 2.1) 0.00

- ☐ YES

Mitigation (E 3.1)

- ☐ YES

Positive Interaction (E 4) - Check all that apply

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4) - Check all that apply

- ☐ Graffiti removal or Prevention Features
- ☐ Trash removal features (vortex weirs)
- ☐ Improves esthetics of project location
- ☐ Noise reduction
- ☐ Odor reduction

GREENER OBJECTIVE (30%)

Ecological Function (E 3.2) - Check all that apply 0.00

- ☐ Fish Barrier Removal / Structural improvement to fish habitat
- ☐ Riparian Habitat (planting, setback or protect in place)
- ☐ SRA Plantings or Improved water temperature
- ☐ Upland Habitat Protection/Preservation
- ☐ Wetland Habitat Protection/Preservation
- ☐ Hardscape Reduction

Physical Stream Function (E 3.2) - Check all that apply

- ☐ Holistic Watershed Approach
- ☐ Geomorphologic Design Elements
- ☐ Erosion Control
- ☐ Sediment Source Reduction

Water Quality (E 3.2) - Check all that apply

- ☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
- ☐ TMDL Improvements
- ☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)

Natural Resources Sustainability (E 3.2) - Check all that apply

- ☐ Air Quality & Visibility Improvement
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Renewable Energy Use
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Reduce Solid Waste Production
- ☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3) - Check all that apply

- ☐ Trail friendly features
- ☐ Provides/Improves Bicycle Commute Route
- ☐ Open Space Protection / Preservation

LEANER OBJECTIVE (10%)

Lifecycle costs are minimized - Check One 0.00

- ☐ Annual cost savings of more than $250,000
- ☐ Annual cost savings of $50,000 to $250,000
- ☐ Annual cost savings of less than $50,000 (reference ½ PY)
- ☐ Annual cost increase of more than $250,000
- ☐ Annual cost increase of $50,000 to $250,000
- ☐ Annual cost increase of less than $50,000

Funding Available from Other Agencies - Check One

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

ENVIRONMENTAL ENHANCEMENT PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = 0

Project Name Here

RAW SCORE = 0

PRIMARY OBJECTIVE Green (50%)

Environmental Enhancement (E 3.2) Impact = ; Probability = 0.00

- ☐ Project restores a previously constructed environmental enhancement so that it can continue to provide the benefits for which it was created.
- ☐ Project creates environmental enhancement features to achieve current commitments.
- ☐ Project improves existing District infrastructure to provide environmental enhancements beyond the current commitment.

CLEANER OBJECTIVE (30%)

Water Supply (E 2.1) 0.00

- ☐ YES

Flood Protection (E 2.2)

- ☐ YES

Mitigation (E 3.1)

- ☐ YES

Positive Interaction (E 4) - Check all that apply

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4) - Check all that apply

- ☐ Graffiti removal or Prevention Features
- ☐ Trash removal features (vortex weirs)
- ☐ Improves esthetics of project location
- ☐ Noise reduction
- ☐ Odor reduction

GREENER OBJECTIVE (10%)

Ecological Function (E 3.2) - Check all that apply 0.00

- ☐ Fish Barrier Removal / Structural improvement to fish habitat
- ☐ Riparian Habitat (planting, setback or protect in place)
- ☐ SRA Plantings or Improved water temperature
- ☐ Upland Habitat Protection/Preservation
- ☐ Wetland Habitat Protection/Preservation
- ☐ Hardscape Reduction

Physical Stream Function (E 3.2) - Check all that apply

- ☐ Holistic Watershed Approach
- ☐ Geomorphologic Design Elements
- ☐ Erosion Control
- ☐ Sediment Source Reduction

Water Quality (E 3.2) - Check all that apply

- ☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
- ☐ TMDL Improvements
- ☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)

Natural Resources Sustainability (E 3.2) - Check all that apply

- ☐ Air Quality & Visibility Improvement
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Renewable Energy Use
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Reduce Solid Waste Production
- ☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3) - Check all that apply

- ☐ Trail friendly features
- ☐ Provides/Improves Bicycle Commute Route
- ☐ Open Space Protection / Preservation

LEANER OBJECTIVE (10%)

Lifecycle costs are minimized - Check One 0.00

- ☐ Annual cost savings of more than $250,000
- ☐ Annual cost savings of $50,000 to $250,000
- ☐ Annual cost savings of less than $50,000 (reference ½ PY)
- ☐ Annual cost increase of more than $250,000
- ☐ Annual cost increase of $50,000 to $250,000
- ☐ Annual cost increase of less than $50,000

Funding Available from Other Agencies - Check One

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

BUILDING & GROUNDS PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = **0**

Project Name Here

RAW SCORE = 0

PRIMARY OBJECTIVE Clean (50%)

Buildings and Grounds (EL 3.4) Impact = ; Probability = 0.00

- ☐ Project maintains existing building infrastructure to provide continuous use of existing buildings and/or to comply with employer safety standards.
- ☐ Project enhances building infrastructure to address treatment of staff issues.
- ☐ Project positions the District to meet projected future space needs.

CLEANER OBJECTIVE (10%)

Water Supply (E 2.1) 0.00

- ☐ YES

Flood Protection (E 2.2)

- ☐ YES

Mitigation (E 3.1)

- ☐ YES

Positive Interaction (E 4) - Check all that apply

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4) - Check all that apply

- ☐ Graffiti removal or Prevention Features
- ☐ Noise reduction
- ☐ Trash removal features (vortex weirs)
- ☐ Odor reduction
- ☐ Improves esthetics of project location

GREENER OBJECTIVE (30%)

Ecological Function (E 3.2) - Check all that apply 0.00

- ☐ Fish Barrier Removal / Structural improvement to fish habitat
- ☐ Upland Habitat Protection/Preservation
- ☐ Riparian Habitat (planting, setback or protect in place)
- ☐ Wetland Habitat Protection/Preservation
- ☐ SRA Plantings or Improved water temperature
- ☐ Hardscape Reduction

Physical Stream Function (E 3.2) - Check all that apply

- ☐ Holistic Watershed Approach
- ☐ Erosion Control
- ☐ Geomorphologic Design Elements
- ☐ Sediment Source Reduction

Water Quality (E 3.2) - Check all that apply

- ☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
- ☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)
- ☐ TMDL Improvements

Natural Resources Sustainability (E 3.2) - Check all that apply

- ☐ Air Quality & Visibility Improvement
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Renewable Energy Use
- ☐ Reduce Solid Waste Production
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3) - Check all that apply

- ☐ Trail friendly features
- ☐ Open Space Protection / Preservation
- ☐ Provides/Improves Bicycle Commute Route

LEANER OBJECTIVE (10%)

Lifecycle costs are minimized - Check One 0.00

- ☐ Annual cost savings of more than $250,000
- ☐ Annual cost increase of more than $250,000
- ☐ Annual cost savings of $50,000 to $250,000
- ☐ Annual cost increase of $50,000 to $250,000
- ☐ Annual cost savings of less than $50,000 (reference ½ PY)
- ☐ Annual cost increase of less than $50,000

Funding Available from Other Agencies - Check One

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

INFORMATION TECHNOLOGY PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = 0

Project Name Here

SCORE = 0

PRIMARY OBJECTIVE Clean (50%)

Information Technology (EL 7.5) Impact = ; Probability = 0.00

- ☐ Project maintains existing mission critical software systems and/or IT infrastructure to improve reliability for business continuity.
- ☐ Project enhances mission critical software systems and/or IT infrastructure to improve user functionality.
- ☐ Project enhances mission critical software systems and/or IT infrastructure to meet projected future needs.

CLEANER OBJECTIVE (10%)

Water Supply (E 2.1) 0.00

- ☐ YES

Flood Protection (E 2.2)

- ☐ YES

Mitigation (E 3.1)

- ☐ YES

Positive Interaction (E 4) - Check all that apply

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4) - Check all that apply

- ☐ Graffiti removal or Prevention Features
- ☐ Trash removal features (vortex weirs)
- ☐ Improves esthetics of project location
- ☐ Noise reduction
- ☐ Odor reduction

GREENER OBJECTIVE (30%)

Ecological Function (E 3.2) - Check all that apply 0.00

- ☐ Fish Barrier Removal / Structural improvement to fish habitat
- ☐ Riparian Habitat (planting, setback or protect in place)
- ☐ SRA Plantings or Improved water temperature
- ☐ Upland Habitat Protection/Preservation
- ☐ Wetland Habitat Protection/Preservation
- ☐ Hardscape Reduction

Physical Stream Function (E 3.2) - Check all that apply

- ☐ Holistic Watershed Approach
- ☐ Geomorphologic Design Elements
- ☐ Erosion Control
- ☐ Sediment Source Reduction

Water Quality (E 3.2) - Check all that apply

- ☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
- ☐ TMDL Improvements
- ☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)

Natural Resources Sustainability (E 3.2) - Check all that apply

- ☐ Air Quality & Visibility Improvement
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Renewable Energy Use
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Reduce Solid Waste Production
- ☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3) - Check all that apply

- ☐ Trail friendly features
- ☐ Provides/Improves Bicycle Commute Route
- ☐ Open Space Protection / Preservation

LEANER OBJECTIVE (10%)

Lifecycle costs are minimized - Check One 0.00

- ☐ Annual cost savings of more than $250,000
- ☐ Annual cost savings of $50,000 to $250,000
- ☐ Annual cost savings of less than $50,000 (reference ½ PY)
- ☐ Annual cost increase of more than $250,000
- ☐ Annual cost increase of $50,000 to $250,000
- ☐ Annual cost increase of less than $50,000

Funding Available from Other Agencies - Check One

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

APPENDIX B - PROJECT LIST BY PRIORITY

Water Supply Capital Projects in Order of Priority

FUNDED
RWTP Improvement, Stage 2
STWTP Improvement, Stage 2
PWTP Improvement, Stage 2
PWTP Maintenance Building
Alamitos Diversion Dam Improvements
Almaden Campus Water Quality Laboratory
Coyote Diversion Dam Improvements
Kirk Diversion Dam Improvements
Dam Instrumentation (an element of Dam Safety Program)
PWTP Standby Power Upgrade
Water Infrastructure Reliability Program (Program Development and Phase 1 - Implementation)
PWTP Washwater Clarification Facility
Lenihan Dam Outlet Modifications
San Luis Reservoir Low Point Improvement (Planning Phase)
RWTP Standby Power Upgrade
IRP2 Seismic Study and Retrofit of WTPs & Ops Bldg
RWTP Control System Trunk Cable Upgrade
Almaden Calero Canal Rehabilitation
Kirk Diversion Fish Screen
Pacheco Pumping Plant Regulating Tank Recoating
Water Protection
San Felipe Communications Cable Replacement
Vasona Canal Improvement
PWTP Backwash Pump Replacement
STWTP Incompatible Materials
Pacheco Pumping Plant ASD Replacement
Santa Clara Valley Recharge Ponds
PWTP Chemical System Upgrade
RWTP Chemical System Upgrade
RWTP Valve Replacement
Water Treatment Plants SCADA Upgrades
IRP2 Additional Line Valves
RWTP BL-1 Valve Vault
RWTP Treated Water Distribution Flow Meter
Santa Clara Tunnel Landslide Repair
Vasona PP Electrical Upgrades
Recycled Water Advanced Treatment Facility WPCP (Planning & Design Phase)
IRP2 Backup Raw Water Control Center at Almaden
Almaden Dam Outlet Works Improvements

Water Supply Capital Projects in Order of Priority (cont'd)

FUNDED
Penitencia Fish Facilities Modifications
San Tomas Well Field
Santa Clara Distributary Turnout
Stevens Creek Diversion (Planning Phase)
Kirk Ditch
Main Avenue Pipeline Restoration
RWTP Chemical Storage Structure Seismic Upgrades
IRP2 Self-Sufficient SCADA System
Page Desilting System Improvements
San Francisco Water Department Intertie
RWTP Backwash Pump ASD Replacement
South County Pipeline Right of Way Acquisition
Calero/Fellows Dike Improvement
Water Efficient Demonstration Gardens
Recycled Water Masterplan (Immediate Term)
Recycled Water Materplan - Short-Term Implementation
Bay Area Regional Desalination, Mallard Slough Pilot Plant

LOWER PRIORITY OR UNDEFINED FUTURE PROJECTS
San Luis Reservoir Low Point Solution
Church Avenue Diversion
IRP2 East Side Well Field
IRP2 West Side Well Field
Madrone Avenue Pipeline
South County Recharge Ponds
Treatment Plant Filter Backwash Aid
RWTP Waste Stream Separation Modification
Calero Dam Outlet Works Rehabilitation
Treated Water Air Valves Replacement
Coyote Pumping Plant ASD Replacement
Recycled Water Materplan - Long-Term Implementation
Treatment Plant Electrical and Control System Improvements
Anderson Reservoir Bank Erosion Repair
Milpitas Pipeline Terminus Valve & Vault
Guadalupe Dam Outlet Works Rehabilitation
Valve 906 Low-Flow Bypass
Santa Clara Tunnel Leakage and Pacheco Conduit Dewater
San Felipe Pipeline Upgrades

APPENDIX B - PROJECT LIST BY PRIORITY

Flood Protection Capital Projects in Order of Priority

FUNDED
Permanente Creek, San Francisco Bay to Foothill Expressway
Guadalupe River–Lower, Alviso Marina to Interstate 880
Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard
Sunnyvale East and West Channel Planning
Sunnyvale East Channel, Guadalupe Slough to Interstate 280
San Francisquito Creek, San Francisco Bay through Searsville Dam
Guadalupe River–Upper, Interstate 280 to Blossom Hill Road
Calabazas Creek, Capacity Improvement
Guadalupe River–Downtown, Interstate 880 to Interstate 280
Matadero/Barron Creek Remediation, Palo Alto Flood Basin to Alma Street
Coyote Creek, Montague Expressway to Interstate 280
Llagas Creek–Upper, Buena Vista Road to Wright Avenue
Upper Penitencia Ck, Coyote Ck-Dorel Dr, Corps
Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)
Berryessa Ck, Calaveras-Old Piedmont
Calabazas Creek, Bollinger Bridge
Calabazas Creek, Miller Avenue to Wardell Road
Sunnyvale West Channel, Guadalupe Slough to Highway 101
San Francisco Bay Shoreline
Thompson Creek Stream Stabilization, Quimby Road to Aborn Road
Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-12)
San Tomas Creek, Quito Road Bridges Replacement

PROPOSED FUTURE PROJECTS
Llagas Creek-Lower, Capacity Restoration
Lake Cunningham Improvements
Lower Silver Creek, I-680 to Cunningham Ave (R4-6)
SF Bay Shoreline Early Implementation Design & Construct
Babb/Piedmont/Los Coches Creeks, Channel Rehabilitation
Calabazas Creek, Wardell to Comer Debris Basin
Coyote Creek Overflow Channel Restoration, Montague Expwy

APPENDIX B - PROJECT LIST BY PRIORITY

Mitigation Capital Projects in Order of Priority

FUNDED
SMP Mitigation, Carnadero Preserve
SMP Mitigation, Coyote Parkway Freshwater Wetland
SMP Mitigation, Laguna Seca Freshwater Wetland
SMP Mitigation, Pajaro Basin Freshwater Wetland
SMP Mitigation, Stream and Watershed Land Preservation
WTPI - STWTP Landscape Improvements
WTPI - PWTP Landscape Improvements
Santa Clara Tunnel Landslide Mitigation (ESA)

Environmental Enhancement Capital Projects in order of Priority

FUNDED
NRDA Enhancement, Jacques Gulch Restoration
CSC Stevens Creek Corridor Restoration, Blackberry Farms
CSC Soap Lake Floodplain Property Acquisition
CSC Upper Pajaro Watershed Vegetative Buffer Strips
Alviso Slough Restoration
FAHCE Stevens Creek Fish Ladder at Evelyn Ave
FAHCE Stevens Creek Fish Ladder at Fremont Ave
FAHCE Stevens Creek Fish Ladder at Moffett Ave
FAHCE Stevens Creek Dam Portable Multi-Port Outlet
Gold Street Educational Center

PROPOSED FUTURE PROJECTS
Pond A8 Applied Study Construction

APPENDIX B - PROJECT LIST BY PRIORITY

Buildings and Grounds Capital Projects in Order of Priority

FUNDED
Almaden and Winfield Campus, Small Capital Improvements
Almaden Campus Expansion Program Plan
Corporation Yard Relocation
Almaden Campus, Data Center Upgrade
Almaden Campus, Administration Building Seismic Retrofit
Telephones at Treatment Plants and Vasona

PROPOSED FUTURE PROJECTS
Corporation Yard Implementation

Information Technology Capital Projects in Order of Priority

FUNDED
ISMP Enterprise Resource Planning System
ISMP Water Resource Information System
Radio Repeater System Infill
ISMP Computerized Maintenance Management System
ISMP Infrastructure Upgrade
Microwave Telecommunications System
PeopleSoft System Upgrade

LOWER PRIORITY
ISMP Electronic Document Management System

APPENDIX C - DISTRICT PARTNERSHIP SUMMARY

Partnership Reimbursements are funds that are reimbursed by the District's partners after the District advances the needed funds. The follwing table identifies capital projects that are funded cooperatively with the District's partners through reimbursements.

Partnership Reimbursement

Project #	Project Name	Amount ($K)	Partnering Agency
91214007	San Luis Reservoir Low Point Improvement	14,039	Department of Water Resources
91214007	San Luis Reservoir Low Point Improvement	46	U.S. Bureau of Reclamation
91124001	San Tomas Well Field	4,500	Campbell Redevelopment Agency
91184008	Recycled Water Advanced Treatment Facility WPCP	1,500	Department of Water Resources
91184008	Recycled Water Advanced Treatment Facility WPCP	1,500	City of San Jose
91184008	Recycled Water Advanced Treatment Facility WPCP	2,750	U. S. Army Corps of Engineers (WRDA)
91154006	Water Efficient Demonstration Garden	146	Department of Water Resources
30154011	Guadalupe River–Lower, Alviso Marina to I-880	2,326	City of San Jose
30154013	Guadalupe River–Downtown, I-880 to I-280	29,795	State Subventions
30154013	Guadalupe River–Downtown, I-880 to I-280	7,593	City of San Jose
30154013	Guadalupe River–Downtown, I-880 to I-280	9,904	San Jose Redev Agcy
26154001	Guadalupe River–Upper, I-280 to Blossom Hill Road	36,700	State Subventions
26154001	Guadalupe River–Upper, I-280 to Blossom Hill Road	3,685	City of San Jose
26174041	Berryessa Creek, Calaveras Blvd to Old Piedmont Road	7,857	State Subventions
40264003	Lower Silver Creek, Coyote Creek to I-680 (Reach 1-3)	165	Natural Resource Conservation Service
40264009	Lower Silver Ck, Coyote Ck to I-680, LERRDs	18,603	State Subventiions
26174051	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	2,800	State Subventions
26174053	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	340	City of Morgan Hill
26074040	CSC Upper Pajaro Watershed Vegetative Buffer Strips	153	SWRCB Non-Point Source Grant
91854002	NRDA Enhancement, Jacques Gulch Restoration	63	Guadalupe Rubbish Disposal
	TOTAL:	**$144,465**	

APPENDIX C - DISTRICT PARTNERSHIP SUMMARY

Partnership Funding is funds that are made available by the District's partners, when needed. The following table identifies capital projects that receive partnership funding. This may occur through either cost sharing agreements or as in-kind services.

Partnership Funding

Project #	Project Name	Amount ($K)	Partnering Agency
91214007	San Luis Reservoir Low Point Improvement	2,000	U.S. Bureau of Reclamation
94194001	San Francisco Water Department Intertie	3,600	San Francisco Water Department
91084017	Bay Area Regional Desalination, Mallard Slough Pilot Plant	258	East Bay Municipal Utility District
91084017	Bay Area Regional Desalination, Mallard Slough Pilot Plant	258	San Francisco Public Utilities Commission
91084017	Bay Area Regional Desalination, Mallard Slough Pilot Plant	258	Contra Costa Water District
91084017	Bay Area Regional Desalination, Mallard Slough Pilot Plant	1,000	Department of Water Resources
91184008	Recycled Water Advanced Treatment Facility WPCP	18,635	City of San Jose
10284007	San Francisquito Creek, San Francisco Bay through Searsville Dam	3,000	U.S. Army Corps of Engineers
10284007	San Francisquito Creek, San Francisco Bay through Searsville Dam	1,500	County of San Mateo
20194005	San Tomas Creek, Quito Road Bridges Replacement	1,868	CALTRANS
20194005	San Tomas Creek, Quito Road Bridges Replacement	156	Town of Los Gatos
20194005	San Tomas Creek, Quito Road Bridges Replacement	156	City of Saratoga
30154013	Guadalupe River–Downtown, I-880 to I-280	158,000	U.S. Army Corps of Engineers
26154001	Guadalupe River–Upper, I-280 to Blossom Hill Road	40,200	U.S. Army Corps of Engineers
26174041	Berryessa Creek, Calaveras Blvd to Old Piedmont Road	19,000	State Subventions
62214001	Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	4,415	U.S. Army Corps of Engineers
40324003	Upper Penitencia Creek, Coyote Creek to Dorel Drive	2,790	U.S. Army Corps of Engineers
26174051	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	103,500	U.S. Army Corps of Engineers
91854002	NRDA Enhancement, Jacques Gulch Restoration	4,000	Guadalupe Rubbish Disposal
	TOTAL:	**$364,594**	

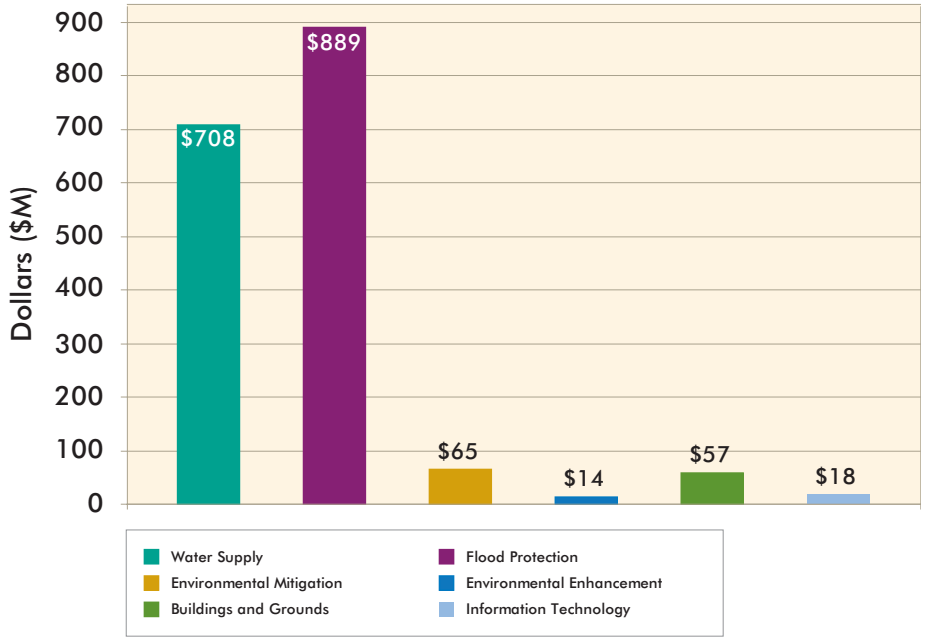
APPENDIX D - SUMMARY OF CAPITAL EXPENDITURES

Expenditure Schedule by Type of Improvement ($K)

	Thru FY06 (Actuals)	FY07	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
E2.1 Water Supply	202,247	32,801	66,305	106,373	58,093	52,137	61,537	139,754	719,247
E2.2 Flood Protection	366,583	34,458	79,250	55,328	38,802	33,187	54,152	227,721*	889,481
E3.1 Environmental Mitigation	10,560	11,926	12,307	5,341	11,680	11,044	2,211	353	65,422
E3.2 Environmental Enhancement	3,069	858	2,596	6,209	648	76	45	-	13,501
EL3.4 Buildings and Grounds	704	1,531	15,442	20,570	2,387	2,185	2,251	12,309	57,379
EL7.5 Information Technology	8,324	1,130	4,426	1,680	932	984	647	-	18,123
Total	**591,487**	**82,704**	**180,326**	**195,501**	**112,542**	**99,613**	**120,843**	**380,137**	**1,763,153**

* There is currently an $81 million revenue shortfall to meet the planned $227,721 expenditures beginning in FY 2014. District staff is working with the Board to develop a method for addressing this revenue shortfall.

CIP Expenditures by Type

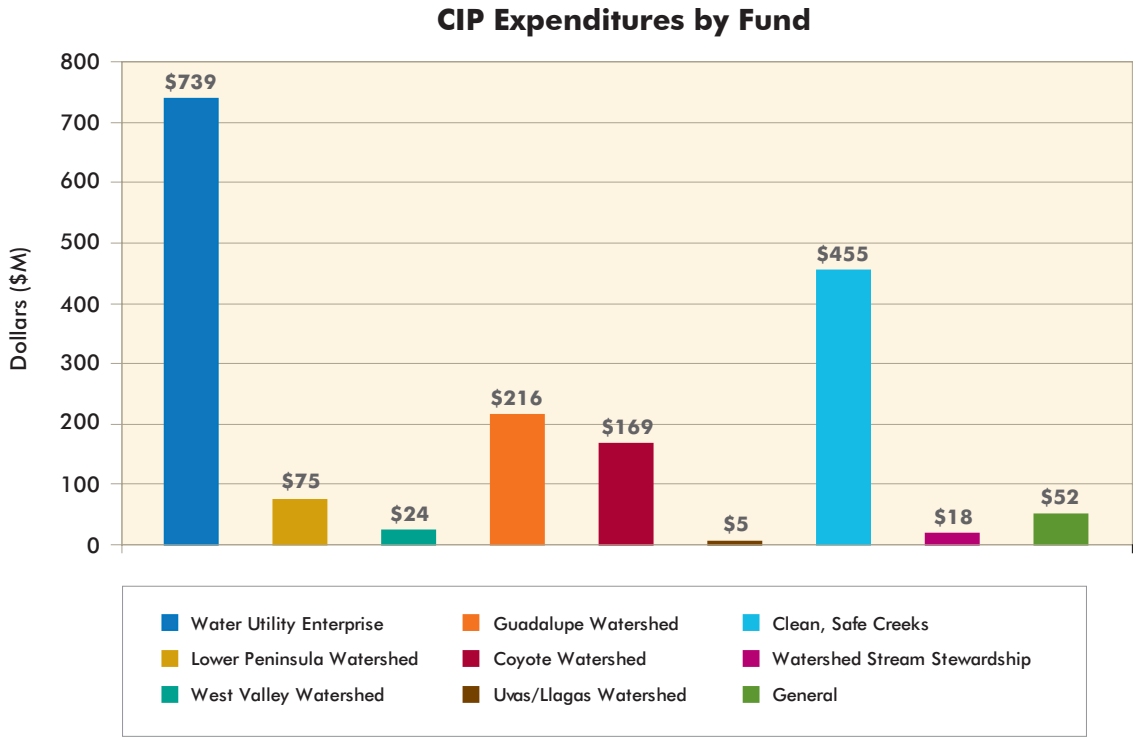


APPENDIX D - SUMMARY OF CAPITAL EXPENDITURES

Expenditure Schedule by Fund ($K)

	Thru FY06 (Actuals)	FY07	FY08	FY09	FY10	FY11	FY12	FY 13-17	Total
Water Utility Enterprise	208,858	37,157	74,837	115,883	59,388	52,989	61,990	139,754	750,856
Lower Peninsula Watershed	54,246	3,809	7,693	2,690	5,286	663	236	13	74,635
West Valley Watershed	5,403	8,138	3,931	2,012	2,374	2,106	445	49	24,459
Guadalupe Watershed	179,130	9,160	15,642	5,010	3,883	2,566	550	60	216,001
Coyote Watershed	93,522	6,810	23,184	4,425	7,528	10,850	1,237	21,010	168,566
Uvas/Llagas Watershed	1,130	615	2,206	255	113	112	71	74	4,576
Clean, Safe Creeks	42,210	13,528	36,863	48,816	29,117	24,026	53,472	206,799*	454,831
Watershed Stream Stewardship	4,347	1,740	2,468	1,585	2,731	4,117	591	68	17,647
General	2,640	1,747	13,503	14,825	2,122	2,185	2,251	12,309	51,582
Total	**591,486**	**82,704**	**180,326**	**195,501**	**112,542**	**99,613**	**120,843**	**380,137**	**1,763,152**

* There is currently an $81 million revenue shortfall to meet the planned $206,799 expenditures beginning in FY 2014. District staff is working with the Board to develop a method for addressing this revenue shortfall.



APPENDIX E - GLOSSARY

Ad Valorem Tax
A tax based on value (e.g., a property tax).

Appropriation
An appropriation is a legal authorization grated by the Santa Clara County Board of Supervisors which allows the District to expend cash and incur obligations for specific purposes. An appropriation is usually limited in amount and the time it may be expended.

Assessment
The process of setting the official valuation of property for taxation; the valuation placed upon property as a result of this process.

Asset
A probable future economic benefit obtained or controlled by a particular entity as a result of past transactions or events. Examples of assets are cash, receivables, and equipment.

Benefit Assessment
Determination of the benefits derived from District activities within particular watersheds and levying a proportionate share of taxes to each parcel subject to voter-approved limitations.

Bonds
Bonds are a long-term source of debt that provides a source of borrowed monies that can be used to pay for specific capital facilities. Bonds are a written promise to pay a specified sum of money at a predetermined date or dates in the future, called the maturity date(s), together with periodic interest at a specific rate.

Capital Expenditure
Capital expenditures fall into several categories. In general, they should create assets or extend the useful lives of existing assets. The work product results in a long-term benefit greater than two years and for budgeting purposes involved a major expenditure of district resources greater than $50,000. They can be made with regard to tangible and intangible assets. The general categories of capital expenditures are: rehabilitation, major repairs, improvements/ betterments/ upgrades, replacements, expansions/ additions, and ancillary expenditures.

Capital Projects
Projects are budgeted within the Capital budget and fall within the definition of Capital Expenditures; which means they (1) create or extend the life of an asset, (2) their work products have a useful life of greater than two years, and (3) they involve an expenditure of District resources in excess of $50,000.

Certificates of Participation (COPs)
A security in the general form of a bond, which evidences a proportionate participation in a flow of lease or other payments between two parties.

CEQA
California Environmental Quality Act

CIP
Capital Improvement Plan

Cost Center
Cost Centers are separate financial accounting centers in which costs are accumulated because of legal and accounting requirements, the first two digits of a project number identifies the cost center.

DWR
State Department of Water Resources

EIR
Environmental Impact Report

Encumbrances
Commitments related to unperformed (executory) contracts for goods or services. Encumbrances represent the estimated amount of expenditures that will result if unperformed contracts in process are completed.

APPENDIX E - GLOSSARY

Enterprise Fund
Enterprise Funds are used to account for operations including debt service (a) that are financed and operated in a manner similar to private business, where the intent of the government body is that the costs (expenses, including depreciation) of providing goods or services to the general public on a accounting basis is financed or recovered primarily though user charges; or (b) where the governing body has determined that periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control accountability, or other purposes.

Expenditure/Expense
Decreases in net financial resources. Expenditures include current operating expenses requiring the present or future of net current assets, debt service and capital outlays, and intergovernmental grants, entitlements, and shared revenues. The major expenditure categories used by the District are labor and overhead, land and structures, equipment, and debt service.

Facility
Defined as a creek, reservoir, dam, water treatment plant, pipeline, canal, etc.

Fixed Assets
Fixed Assets are defined as long-lived tangible assets such as automobiles, computers and software, furniture, communications equipment, hydrologic equipment, office equipment, and other equipment, with a value of $2,000 or more, or the combined value of like ore related units (aggregate value) is greater than $5,000 if the unit value is less than $2,000.

Fiscal Year
A 12-month period to which the annual operating budget applies and at the end of which a government determines its financial position and the results of its operations. The District's fiscal year is July 1 through June 30.

Fund
A fiscal and accounting entity with a self-balancing set of accounts in which cash and other financial resources, all related liabilities and residual equities, or balances, and changes therein, are recorded and segregated to carry on specific activities or attain certain objectives in accordance with special regulations, restrictions or limitations.

General Fund
A fund used to account for major operating revenues and expenditures, except for those financial transactions that are required to be accounted for in another fund. General Fund revenues are derived primarily from property and other taxes.

Grants
Contributions or gifts of cash or other assets from another government entity to be used or expended for a specified purpose, activity, or facility.

Levy
(1. Verb) To impose taxes, special assessments, or service charges for the support of government activities; (2. Noun) The total amount of taxes, special assessments, or service charges imposed by a government agency.

Long-Term Debt
Debt with a maturity date of more than one year after the date of issuance.

One Percent Flood or 100 Year Flood
Has a 1% chance of occuring in a given year. Water District projects are usually designed for the 1% flood, a national standard established by the Federal Emergency Management Agency (FEMA).

Operating Expenditure

Operating expenditures are system costs required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services.

Operating expenditures are costs necessary to maintain the systems in good operating condition. This includes the repair and replacement of minor property components. The American Waterworks Association (AWWA) says that these priority components should be smaller than a retirement unit; a retirement unit is a readily separable and separately useful item that is part of a larger assembly. The benefit and life of such repairs should be less than two years. Any repairs that recur on an annual basis are considered operating activities of a maintenance nature.

Operating expenditures are often separated into fixed and variable costs for purposes of under standing operating leverage and structuring service charge rates.

Operations

Expenditures required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services. Operations include work that is generally of an ongoing or recurring nature. Any District work that is not a project is, be definition, an Operation. Operations, although recurring, require close coordination and a high degree of management oversight; however, they can be accomplished without the application of the full range of tools and processes used for managing projects.

Projects

At the Santa Clara Valley Water District, a project is any undertaking which has (1) a beginning and an ending, (2) a one-time occurrence. Projects can require expenditure of capital or operating funds and, at the District, are called Capital or Operating Projects, accordingly. Project usually, but no always, relate to a District facility or facilities (a creek, a reservoir, a dam, a water treatment plant, a pipeline,, etc.). Projects may include studies, design, construction, maintenance, or implementation of systems such as Records Management or Financial Management System.

Revenue

Monies the District receives in exchange for services or sales provided. Revenue items include water sales, property tax revenues, benefit assessment revenues, interest income, intergovernmental reimbursement, and other.

Revenue Bonds

Bonds, whose principal and interest are payable exclusively from earnings of an enterprise fund. In addition to a pledge of revenues, such bonds sometimes contain a mortgage on the enterprise fund's property.

Reserve

An account used to indicate that a portion of a fund's assets are legally restricted for a specific purpose and is, therefore, not available for general appropriation.